2. The operator shall Coment the 51/2" Casing String to adequately protect upper Sandstone agnifers Market Harando by bringing Coment back to at least 3665 (top of Moenkopi). The operator Should increase coment Volume for the 51/2" casing String to approximately 300 sx. in order to ensure adequate coverage.

Ashley Valley Sewer Management Board

P.O. Box 426 Vernal, Utah 84078 Douglas B. Lawson John D. Stagg Larry Hacking Lorin Merkley Dennis Mott Greg Hawkins

September 13, 1989

Beard Oil Company Enterprise Plaza, Suite 200 5600 North May Avenue Oklahoma City, Oklahoma 73112

Gentlemen:

We are writing to give our written consent for your Ashley Valley #1 well to be drilled on our property. This consent is in accordance with the requirements of R615-3-2. We are the owner of all the property offsetting the drilling unit in the 460 foot radius of the proposed well.

If you have any questions or need any further assistance please call or write us.

Very truly yours,

Boyce W. Coombs (101) 789-0961

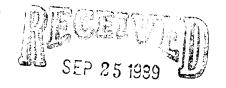
Secretary - Treasurer

SEP 25 1989

Dry.:: OIL, GAS & PROVINCE

BEARD OIL COMPANY

ENTERPRISE PLAZA. SUITE 200
5600 NORTH MAY AVENUE
OKLAHOMA CITY, OKLAHOMA 73112
TELECOPIER NO. 405/842-9901
405/842-2533



DIVISION OF OIL, GAS & MINING

September 22, 1989

Utah Board of Oil, Gas and Mining Suite 350, 3 Triad Center 355 West North Temple Salt Lake City, Utah 84180-1203

Re: Drilling Permit and Location Exception Beard Oil Company Ashley Valley #1 NE SE NW SW Section 34-T4S-R22E Uintah County, Utah

Gentlemen:

Enclosed are our Application for Permit to Drill, 10 Point Plan, and Plats for the Ashley Valley #1 well. You should also receive a copy of our Single Well Bond for this well within the next week. I would also like to apply for a location exception.

The Ashley Valley #1 is located in Section 34-T4S-22E. This well will be located approximately 3.4 miles east of Naples, Utah (See Map A). The enclosed plat, maps and location were surveyed and location staked on September 11, 1989, by Uintah Engineering. The location was staked 1268' FWL and 1773' FSL (Map C) and is the only possible site for a well to be drilled reasonably within this quarter section. As you can see the Ashley Sewer Lagoon is to the west, rough terrain and a water reservoir to the east (see Map #1). Beard Oil Company has leased the SW/4 of Section 34 and therefore must stay within this quarter section. Ashley Valley owns this quarter section as well as the offsets to our location (See Map B). Boyce W. Coombs (representative for Ashley Valley) and I have physically checked the location, and agree on the site. Mr. Coombs has obtained approval from the Ashley Valley Sewer Board for the location, the Board having no objections to the proposed location site.

I have enclosed a letter of approval from the Ashley Valley Sewer Board evidencing their permission to drill on the proposed location. If you have any questions, please feel free to call me (David I. Allred) or Ivan D. Allred, Jr., at (405) 842-2333.

Please return approved copies of the enclosed Application to the address shown above, for the attention of Ivan D. Allred, Jr.

Sincerely yours,

BEARD OIL COMPANY

David I. Allred, Petroleum Engineer

DIA:tlg

Encl.'s

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

	6. Lense Designation and Serial No.
	6. If Indian, Allottee or Tribe Name
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK	or in the transfer of the transfer of
Ia. Type of Work DRILL IX: DEEPEN TO PLUG BACK	7. Unit Agreement Name
DRILL Type of Well DEEPEN DEEPEN PLUG BACK D	
Oil Z Gas Well Other SEP 2200e Utitiple	8. Farm or Lease Name
2. Name of Operator	Ashley Valley
BEARD OIL COMPANY DIVISION OF	9. Well No.
C. Address of Operator OIL, GAS & MINING	10 Field and Pool, or Wildcat
Enterprise Plaza, Suite 200, 5600 N. May Ave., Okla. City, OK 731	Wildcat (001)
At surface 1268' FWL, 1773' FSL of the SW/4 (NE SE NW SW)	11. 09, Sec., T., R., H., or Blk.
	and Survey or Area
At proposed prod. zone 4900' Weber Sandstone	34-T4S-R22E
14. Distance in miles and direction from nearest town or post office.	12. County or Parrish 12. State
3.4 Miles East of Naples	Uintah Utah
15. Distance from proposed 16. No. of acres in lease 17. No. o	f neres assigned s well 40
property or lease line, ft. 1205 FWL, 1//3 FSL 100 (Also to nearest drig. line, if any)	40
13. Distance from proposed location* 19. Proposed depth to nearest well, drilling, completed,	y or cable tools
	22. Approx. date work will start*
21. Elevations (Show whether DF, RT, GR, etc.)	
4072' (GL)	When Approved
PROPOSED CASING AND CEMENTING PROGRAM	
Size of Hole Size of Casing Weight per Foot Setting Depth	Quantity of Cement
30" 20" Conductor 60+	To Surface
12-1/4" 8-5/8" 24# 500+	To Surface 250 Sx+
	250 SXT
A. Location, Elevation, Road, Rig Layout Plats. B. Ten Point Plan. C. Blowout Preventer Diagram. IMPORTANT INFORMATION EXHIBITS ATTACHED TECHNIC Engr. 4 Geol. 4	AL REVIEW ARB 10-16-89 10/3/89 BIGH 10-11-89
1. This is fee land. 2. This site is neither a Fede 3. Engineers in Charge of Oper David I. Allred (405) 842-2 Ivan D. Allred (405) 842-2	ations: 333
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on presductive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measur preventer program, if any.	ent productive zone and proposed new pro- red and true vertical depths. Give blowout
Signed David L Allred Title Petroleum Engineer	Date 9-22-89
0	PROVED BY THE STATE F UTAH DIVISION OF
Approved by Title Canditions of approval, if any:	L, GAS, AND MINING
	10-No-89

*See Instructions On Reverse Side

VELL SPACING: 8/45-3-3

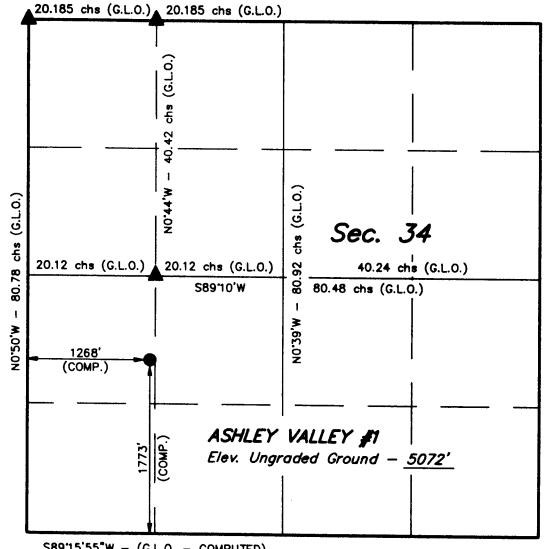
STAT F UTAH
DIVISION OF OUT, GAS AND MINING

	is to drill or deepen At this seport is true Allred I or State office use)	directionally, give posterior	the best of my	knowledge. leum Eng	jineer	
ductive zone. If proposal preventer program, if any. 24. I hereby certify the Signed Law	is to drill or deepen	directionally, give po	the best of my	knowledge.	<u> </u>	
ductive zone. If proposal preventer program, if any. 24. I hereby certify the	is to drill or deepen	directionally, give po	the best of my	knowledge.	<u> </u>	
ductive zone. If proposal preventer program, if any.	is to drill or deepen	directionally, give po			cations and measu	red and true vertical depths. Give blowout
			ertinent data on	adpagnizace to	cations and measu	red and true vertical depths. Give blowout
		ROGRAM: If propo				sent productive zone and proposed new pro-
					,	
					(405) 842-2 (405) 842-2	
		3.			ge of Oper	
						eral nor a State Unit.
		1.	This is f	heel oo		•
		IMPO	RTANT INF	ORMATIO	<u> </u>	OIL, GAS & MAININ
C. Blowout Pre	eventer Diagr	am.				DIVISION OF
B. Ten Point P	lan.	•	, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		أعناه	SEP 25 1989
A. Location, E	levation, Ro	ad. Rio Lavo	out Plats		* 	
EXHIBITS ATTACH	IED				:	
	5-1/2		·>#	45UUT	. * **	
12-1/4" 7-7/8"	8-5/8 5-1/2		5#	500+ 4900+		To Surface 250 Sx+
30"	20"	Conduc		60+		To Surface
Size of Hole	Size of Casing	Weight pe	r Foot	Setting Dept	h	Quantity of Cement
23.		PROPOSED CA	SING AND CE	MENTING PR	OGRAM	
5072' (GL)	<u> </u>					When Approved
21. Elevations (Show wheth	HOHE		490	0 6000	<u> </u>	22. Approx. date work will start*
 Distance from propose to nearest well, drillin or applied for, on this 	g. completed.		19. Propose	d depth		y or cable tools
property or lease line, (Also to nearest drig.)	ft. 1208 FWL,	1/13, F2F	16			40
15. Distance from propose	кі•	1772 ECI		acres in lease		of acres assigned
3,4 Miles Eas		or pose offic	-			Uintah Utah
14. Distance in miles and	direction from neuros	town or post offic	· · · · · ·			34-T4S-R22E
At proposed prod. zone	40001 11 1		. (and Survey or Area
At surface 1268 F	FWL,1773'FS	i in accordance with L of the SW	any State requ 14 (NE SF)	NW SW		11. VV. Sec., 1., X., H., OF BIR.
Enterprise Pla	iza, Suite 20	0, 5600 N. N	lay Ave.,	Okla. C	ity, OK 73	19. Field and Pool, or Wildcat Wildcat (001)
BEARD OIL CON						1
2. Name of Operator						Ashley Valley 9. Well No.
Oil Ki Ga Well W	s Other		Sin Zor	xle -	Multiple Zone	8. Farm or Lease Name
DRIL b. Type of Well	r 🔀	DEEPEN []	PLU	G BACK [
la. Type of Work						7. Unit Agreement Name
APPLICATION	FOR PERMIT	TO DRILL,	DEEPEN,	OR PLU	JG BACK	6. If Indian, Allottee or Tribe Name
ADDUCATION						Fee
Application		•	WAND WININ			5. Lease Designation and Serial No.

*See Instructions On Reverse Side

T4S, R22E, S.L.B.&M.

S89'04'W - 80.74 chs (G.L.O.)



S89"15"55"W - (G.L.O. - COMPUTED)

= SECTION CORNERS LOCATED. (Alum Caps.)

NOTE:

WELL LOCATION BEARS \$3.01,32,"W 897.13' FROM THE C W 1/16 C

NOTE:

BASIS OF BEARINGS IS THE ASSUMPTION THAT THE LINE BETWEEN THE NW CORNER OF SECTION 34 AND THE C W 1/16 C BEARS S27"18'55"E.

BEARD OIL CO.

WELL LOCATION, ASHLEY VALLEY #1 LOCATED AS SHOWN IN THE NW 1/4 SW 1/4 OF SECTION 34, T4S, R22E, S.L.B. &M. UINTAH COUNTY, UTAH.

BASIS OF ELEVATION

JENSEN TRIANGULATION STATION LOCATED IN SECTION 26, T4S, R22E, S.L.B.AM. SAID ELEVATION IS MARKED AS BEING 5274 FEET.



THIS IS TO CERTIFY THAT THE ABOVE-PLAT FIELD NOTES OF ACTUAL SURVEYS HAVE SUPERVISION AND THAT THE SAME FILL TRUE BEST OF MY KNOWLEDGE AND BELIEF

UINTAH ENGINEERING P. O. BOX 1768 - 85 SOUTH

SCALE 1" = 1000'	DATE 9-11-89
PARTY R.L.K. T.D.H. T.D.	H. REFERENCES H. G.L.O. PLAT
WEATHER	FILE ,
COOL, CLOUDY	REARD OIL CO

DRILLING LOCATION ASSESSMENT

State of Utah Division of Oil, Gas and Mining

OPERATOR: BEARD OIL COMPANY WELL NAME: ASHLEY VALLEY #1
SECTION: 34 TWP: 4S RNG: 22E LOC: 1268 FWL 1773 FSL
QTR/QTR NW/SW COUNTY: UINTAH FIELD: WILDCAT
SURFACE OWNER: ASHLEY VALLEY SEWER MANAGEMENT
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 10/11/89 9:00 AM

<u>PARTICIPANTS:</u> Gil Hunt-DOGM, David Allred-Beard Oil, Coy Hatch-Ashley Valley Sewer Mgmt. Board, Harley Jackson-Jackson Const., Buck Olsen-Olsen Drilling, Bill Martin-Bill Jr Rathole Drilling

<u>REGIONAL SETTING/TOPOGRAPHY:</u> Eastern Ashley Valley, Mancos terraces above the valley bottom. Location lies between two sewage lagoons.

LAND USE:

CURRENT SURFACE USE: None

PROPOSED SURFACE DISTURBANCE: A 325'X 160' rectangular pad will be constructed with a 160'X 75' extension for the reserve pit. Approximately 1.5 miles of existing access road will be upgraded. All construction will be on acreage owned by Ashley Valley Sewer Management.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Dwarf sage and scattered dry grass/Insects and Birds

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Silty clay soil derived from weathered Mancos Shale Fm.

SURFACE FORMATION & CHARACTERISTICS: Mancos Shale Formation Consists of soft easily-weathered mudstones.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at this time. A disturbed surface could be easily eroded by a heavy rainstorm.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Weber Sandstone-4570'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Mostly onsite materials will be used. Some gravel will be hauled in for road surfacing.

SITE RECLAMATION: If the well is abandoned the site will be reclaimed as per landowner request.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular in shape. Approximate dimensions will be 160'X 75'X 8'.

LINING: No lining will be required. The Mancos Shale, that the pit will be constructed in, should adequately contain all drilling fluids.

MUD PROGRAM: 0-500'/Low solids, non-dispersed Mud Wt.-8.3-8.7 500-4900'/chemical mud Mud Wt. 8.8

DRILLING WATER SUPPLY: To be purchased from Ashley Valley Sewer Management.

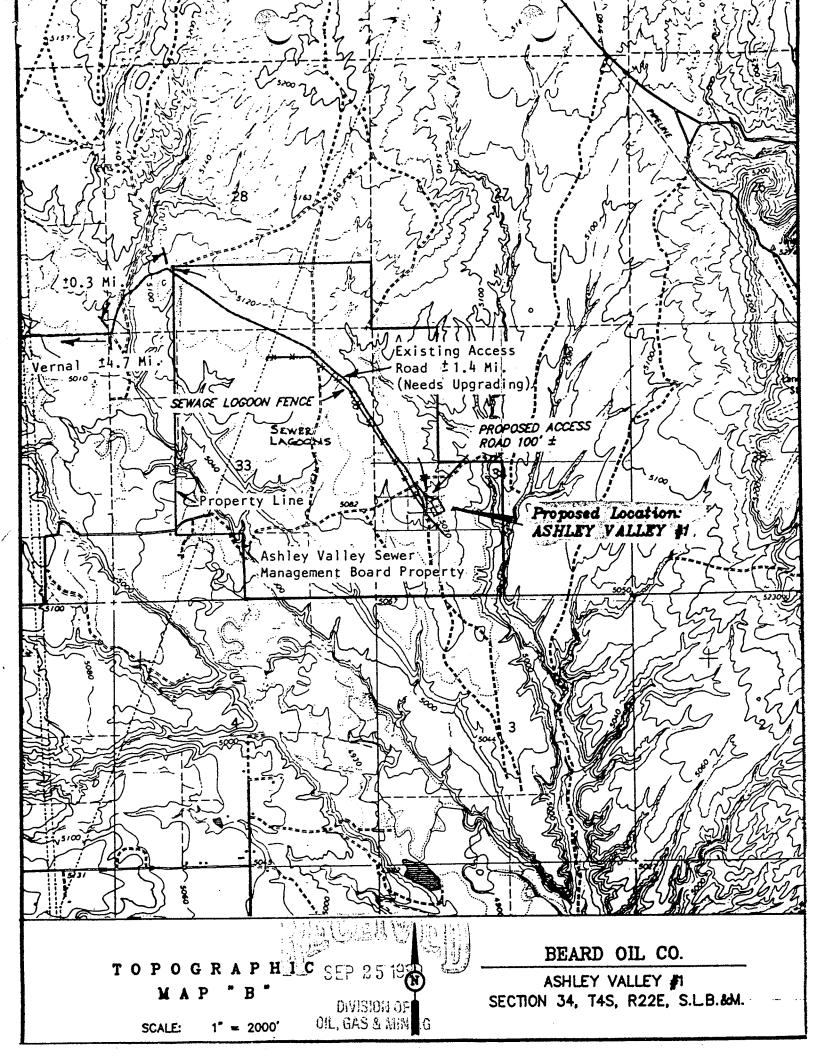
OTHER OBSERVATIONS

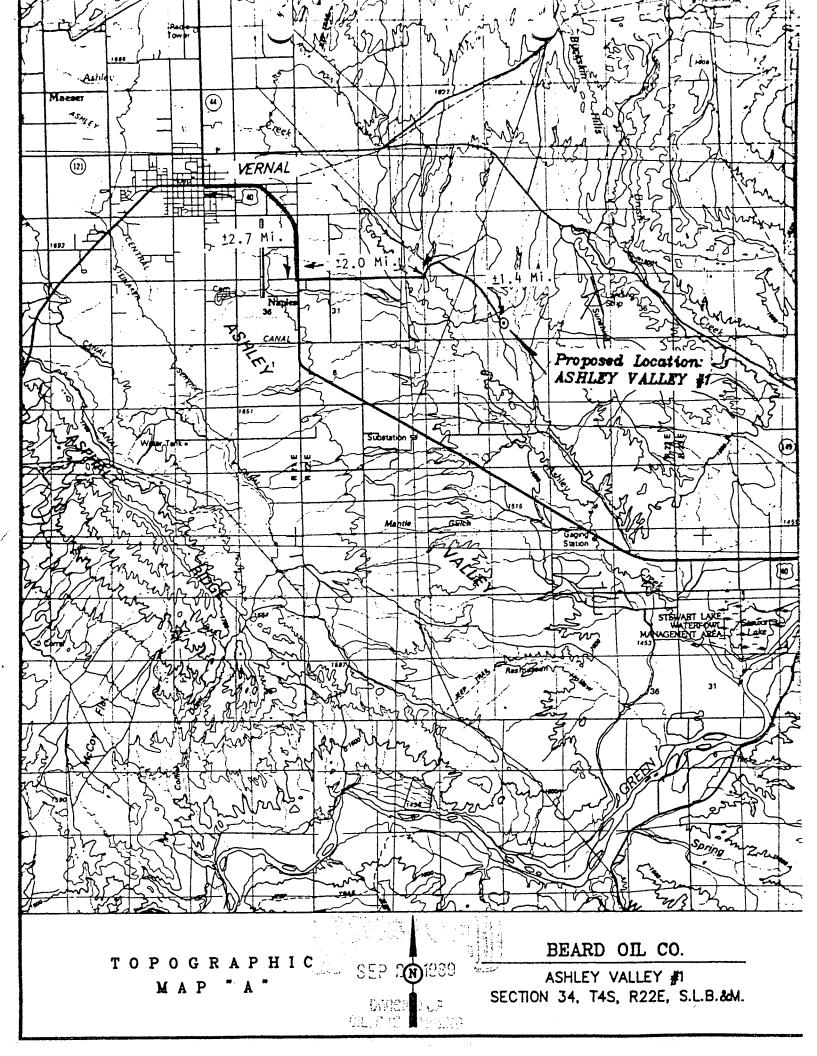
Beard oil is requesting an exception for this location. The well has been staked between two Ashley Valley Sewer ponds with no way to move but north. However it is the east-west location which is the reason for the exception. The location cannot be moved in this direction.

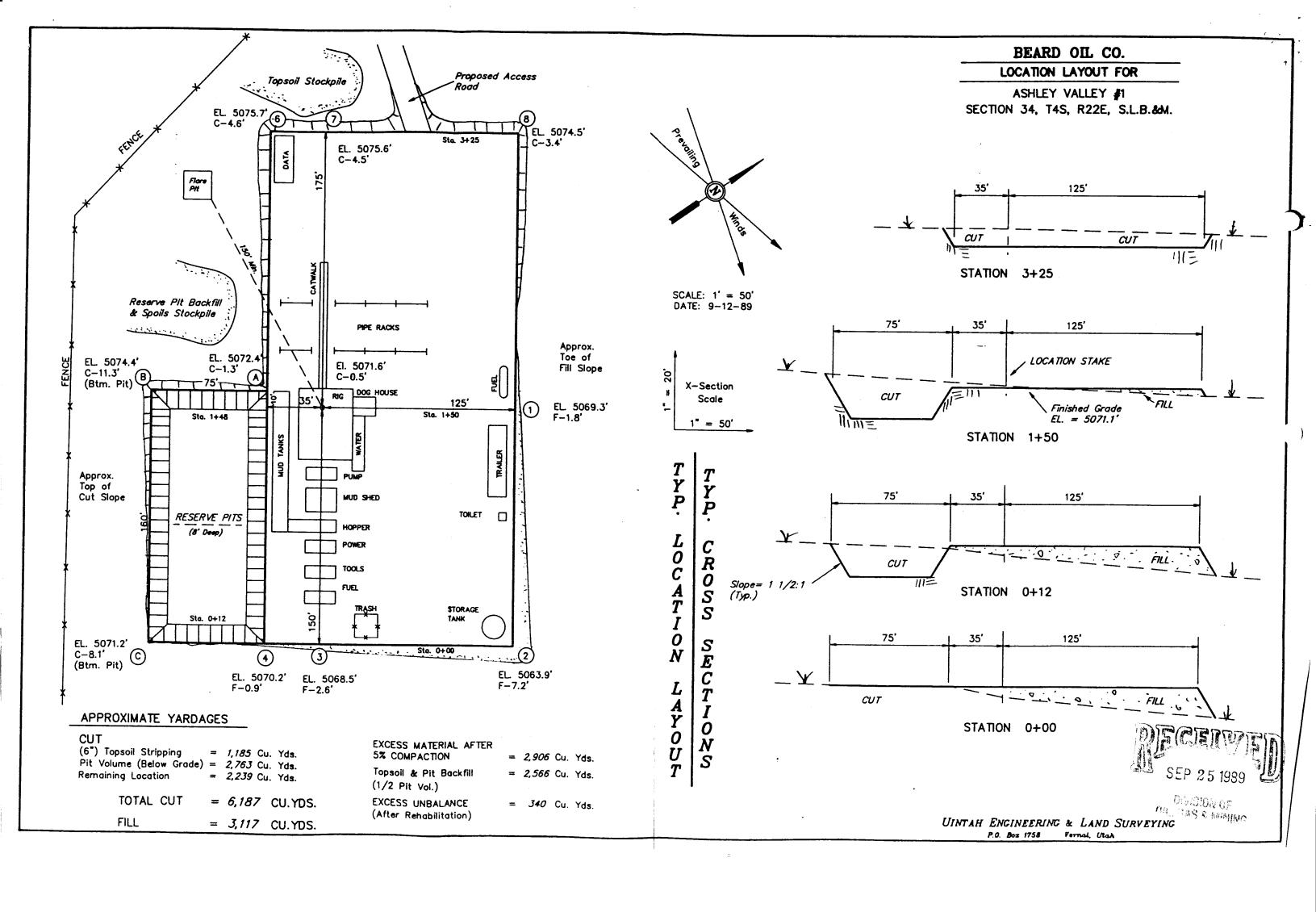
STIPULATIONS FOR APD APPROVAL

None

EXIBIT A









DIVISION OF OIL, GAS & NEWING

EXIBIT B

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM



DIVISION OF OIL, GAS & MINING

Company:

Beard Oil Company

Well:

Well Location:

Ashley Valley #1 1268' FWL, 1773' FSL of the SW/4

Section 34, T. 4 S., R. 22 E.

County:

Uintah

State:

Utah

1. GEOLOGIC SURFACE FORMATION

Duchesne

2. ESTIMATED IMPORTANT GEOLOGIC MARKERS

Formation	<u>Depth</u>
Mancos Shale	40'
Frontier Sandstone	870'
Dakota Sandstone	1205'
Navajo Sandstone	2295'
Moenkopi Redbeds	3665'
Phosphoria Lime	4400'
Weber Sandstone	4570'

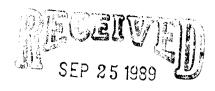
3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

4570' - Possible Oil, Gas Weber Sand or Salt Water

4. PROPOSED CASING PROGRAM

<u>Size</u>	<u>Grade</u>	Wt./Ft.	<u>Condition</u>	Depth Set
20"	Conducto	r	New	60'
8-5/8"	J-55	24#	New	500'
5-1/2"	J-55	15.5#	New	4,900'

EXHIBIT "B" - Page - 2 Beard Oil Company Ashley Valley #1
1268' FWL, 1773' FSL of the SW/4
Section 34, T. 4 S., R. 22 E
Uintah County, Utah



DIVISION OF OIL, GAS & MINING

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Well Control Equipment:

- 1. NU 10" 3000 psi hydraulic double-ram BOP w/Hydrill and remote closing unit. Test BOP and surface casing to 1000 psi at NU.
- 2. Operate BOP daily and on each trip.
- 3. Install and maintain kelly-cock. Test at NU.
- 4. Install 2000 psi WP choke manifold. Test valves to 1000 psi at NU.
- 5. Keep inside BOP available on floor at all times.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS

Mud Program:

Interval	Mud Type	Mud Wt.	Vis	WL	<u>Other</u>
0-0500'	Lo Solids, Non- dispersed	8.3-8.7	26-29	NC	
0500-4900'	Chemical	8.8-8.8	35-50	10-15	Lubricant & LCM

A reserve pit will be used.

7. AUXILIARY EQUIPMENT TO BE USED

- 1. A kelly cock will be kept in the string.
- 2 A De-gasser will be installed if needed.
- 3. Install a one-man mud-logging unit at 2500'.

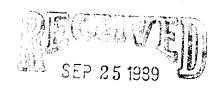


EXHIBIT "B" - Page - 3 Beard Oil Company Ashley Valley #1
1268' FWL, 1773' FSL of the SW/4
Section 34, T. 4 S., R. 22 E.
Uintah County, Oklahoma

DIVISION OF OIL, GAS & MENING

- 8. TESTING, LOGGING, AND CORING PROGRAMS TO BE FOLLOWED
- 1. Rig Samples every 10' from 2,500' to Total Depth, or as directed by the wellsite geologist.
- 2. No cores are planned.
- 3. Possible Drill Stem Test.
- 4. Dual Induction Log from surface casing to Total Depth. DNL-FDC with GR-FDC with GR-Caliper, Microlog, as directed by wellsite geologist.
- 9. ANY ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

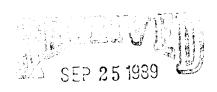
No abnormal pressures or temperatures have been noted or reported in wells drilled in the area, nor at the depths anticipated in this well. A pressure gradient of 0.42 psi/ft is anticipated.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported, or known to exist at these depths in the area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The anticipated starting date is set for as soon as possible after examination and approval of all drilling requirements.

The operations should be completed within 30 days after spudding the well.



DIVISION OF OIL, GAS & MENING

EXIBIT C

Ashley Valley #/ SEP 25 1989 DIVISION OF OIL, GAS & MINING JONLAR TYPE HYDRIL PIPE RAMS 10" - 3000# DOUBLE HYDRAULIC BLIND RAHS 10" - 3000# KILL LINE SPOOL TO CHOKE MANIFOLD 11" - 3000# 4" NOMINAL

BOP DIAGRAM

OPERATOR Bed	erd Oil Compan	у	DATE 9-27-89	
	ley Valley #1	<i>f</i>		
SEC NWSW 34	T 45 R	22E COUNT	Y <u>Uintah</u>	
43-047- API N			Fee E OF LEASE	
CHECK OFF:				
PL	AT-	BOND	NE ARE	ST
LE	ASE	FIELD	POTAS OIL S	H OR HALE
PROCESSING COMMEN No other web	TS: Within 920'	RDCC/P	nass 10-12-89	
Need Water	_ 1			<u></u>
Request for e	xception location	on on letter de	Led 9-22-89.	
Brad Hill-Pre	site / Received	10-13-89 Dan Jure	15-UIC 10-3-8	9
Bond will be	taken care of	ASAP/Received	10-5-89	
APPROVAL LETTER:				
SPACING: R	615-2-3	_N/1	R615-3-	2
	CAUS	N/A E NO. & DATE	R615-3-	-3
STIPULATIONS:	•			
1. Water Re	mit		7	
2. (See Dan's	s Note)			
3. Fee Lana		(copy to Bond file	7	

STATE ACTIONS

Mail to: RDCC Coordinator 116 State Capitol Salt Lake City, Utah 84114

1.	ADMINISTERING STATE AGENCY OIL, GAS AND MINING 355 West North Temple 3 Third Conton Suite 350
	3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203 3. APPROXIMATE DATE PROJECT WILL START: When Approved
4.	AREAWIDE CLEARING HOUSE(s) RECEIVING STATE ACTIONS: (to be sent out by agency in block 1) Uintah Basin Association of Governments
5.	TYPE OF ACTION: /_/ Lease / \underline{X} / Permit /_/ License /_/ Land Aquisition /_/ Land Sale /_/ Land Exchange /_/ Other
6.	TITLE OF PROPOSED ACTION: Application for Permit to Drill
7.	DESCRIPTION: Beard Oil Company proposes to drill a wildcat well, the Ashley Valley #1, on private lease in Uintah, County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this case and must issue approval to drill before operations can commence.
8.	LAND AFFECTED (site location map required) (indicate county) NW/4, SW/4, Section 34, Township 4 South, Range 22 East, Uintah County, Utah
9.	HAS THE LOCAL GOVERNMENT(s) BEEN CONTACTED? Unknown
10	. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR: Degree of impact is based on the discovery of oil or gas in commercial quantities.
11	. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE: Carol Kubly, Vernal, 789-1388
12	. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND LITLE OF AUTHORIZED OFFICIAL John Baza PHONE: 538-5340 DATE: 9/28/89 Petroleum Engineer
	/

John

178" cosing we need enough cenut

to Circulate back to a depth of

3665' to protect the upper sandspire

Apenfors in Frontier, Datesh or Manjo

The other alternative is to set casing believe base of Manjo. Everthing the is ot.

DAN.

10/5/89

SRB 10-16-89

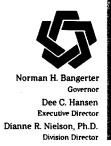
Hole site: 11/8"

Casing size: 51/2", 15.5# 5.55

From Halliburton book, Volume between Casing and hole is 0.1733 ft3/ft.

Assuming 50% excess coment in open interval and a coment sherry volume of 1.2 ft 3/sk, amount of coment needed to cover from 4900' back to 3665' is:

 $\frac{1235 \text{ ft. } \times \text{ 0.1733} \frac{\text{ft}^3}{\text{ft}} \times 1.5}{1.2 \text{ ft}^3/\text{sk}} = 268 \text{ sks}$



State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

October 16, 1989

Beard Oil Company Enterprise Plaza, Suite 200 5600 North May Avenue Oklahoma City, Oklahoma 73112

Gentlemen:

Re: Ashley Valley #1 - NW SW Sec. 34, T. 4S, R. 22E - Uintah County, Utah 1773' FSL, 1268' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R6I5-3-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

- 1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.
- 2. The operator shall cement the 5 1/2" casing string to adequately protect upper sandstone aquifers by bringing cement back to at least 3665' (top of Moenkopi). The operator should increase cement volume for the 5 1/2" casing string to approximately 300 sx. in order to ensure adequate coverage.
- 3. Beard Oil Company, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.

- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (80l) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R6l5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31880.

Sincerely,

Associate Director, Oil & Gas

lcr

Enclosures

cc: Bureau of Land Management

D. R. Nielson

J. L. Thompson

WE14/3-4

DIVISION OF OIL, GAS AND MINING

NAME OF COMPANY: BEARD OIL COMPANY

SPUDDING INFORMATION

API NO. 43-047-31880

·				
WELL NAME: ASHLEY VAL	I.EY #1			
SECTION NWSW 34 TOWNSHIP 4S	RANGE	22E	COUNTY_	UINTAH
DRILLING CONTRACTOR OLSEN DRI	LLING			
RIG #				
SPUDDED: DATE 12/15/89				
TIME 5:00 p.m.				
HowROTARY		•		
DRILLING WILL COMMENCE		4.		
D				
REPORTED BY DAVID ALLRED				
TELEPHONE # 801-789-9550	····			
PΔΓF 12/19/89		SIGNED	РАТ	

ADDRESS 5600 North May Ave

OPERATOR ACCT. NO. N

N1295

OKlahona C.ty OKlahona 73/12

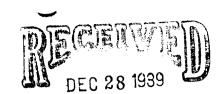
ACTION	CURRENT	NEW	API NUMBER	WELL NAME			WELL	LOCATIO		SPUD	EFFECTIVE
CODE	ENTITY NO.	ENTITY NO.			QQ	sc	TP	RG	COUNTY	DATE	DATE
A	99999	11045	43-047-3188	Ashley Valley #1	>w	34	45	22 E	Wintah	12-15-89	·
HELL I C	l was s	pudde d	@ 10:00 pm	12-15-89. Ron 12:45 of 8	5/8 #	24 1	-55	STAC	4 573	KB an	6
Cent	· logue	and Ca	iculated so	val cenent to surface.	no	Ce.	fes;	be	P's next	day, Oca	el Lest,
		ļ									
WELL 2 C	OMMENTS:	Fee-Lea	se 11 + F	Proposed Zone-Webr Assign new entity 11045 on					_		
		Field-1 Unit-	N/A	Assign new entity 11045 on	1-4-90	/ fer					ا م.۔
•								Γı	Verna	ur Im	719-266
WELL 3 C	OMMENTS:	ļ	<u> </u>	_	<u> </u>	<u> </u>		L	{{	D	AVID ALLRED
				•				· ·		Enter	etroleum Engineer prise Plaza, Suite 20
-	<u> </u>	-				Г	<u> </u>	1	BEARD OI	Oklahom	0 North May Avenue na City, Oklahoma 73 (405) 842-2333
	OMENTS:							L	COMPAN	-	copier (405) 842-990 bile (405) 375- 582 6
HELL 4 C	OUNEN12:									Ho	me (405) 348-3 480
		 									<u> </u>
WELL 5 C	OMMENTS:								,		
			on back of form) for new well (sig	nale well anly)	677		Thu .	_	David	A. Allred	
B C	– Add new w – Re-assign	ell to exis	ting entity (group one existing entit	or unit well) ty to another existing entity	to the time to the	7	Transfer of the second	<	Signature	m Engree	1 12/2//
			one existing entil mments section)	ty to a new entity DEC	28 19	39 (Title	- Dayman	Date

NOTE: Use COMMENT section to explain why each Action Code was selected.

DIVISIUM OF OIL, GAS & MINING hone No. (405) 842-2333

(3/89)

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7



1. Well name and number: Ashley Valley #1 OIL, GAS & MINING API number: 43-047-31886
2. Well location: QQ <u>SW</u> section <u>34</u> township <u>45</u> range <u>22E</u> county <u>Uintah</u>
3. Hell operator: Beand Oil Co. Address: 5600 North May Ave. Suite 200 phone: (40x) 842-2333 OKlahoma City, Okla, 13112
4. Drilling contractor: Olsent Dr. King Co. Address: 999 18th Stat Ope Denvis Race phone: 303 292-9930 Denves Calendo 8000
5. Water encountered (continue on reverse side if necessary)
Depth (flow rate or head) (fresh or salty) So far (arrent Apple) OIL AND GAS JRB 1. GLAS Farmfrer Sand 870 Date for 120.5
If an analysis has been made of the water encountered, please attach a copy of the report to this form.
I certify that this report is true and complete to the best of my knowledge. Name Paucil Signature Bank Signature Date 173/89

Comments:

B'anosu Vernal

BEARD OIL COMPANY

719-2660
Reom #153
DAVID ALLRED

Petroleum Engineer
Enterprise Plaza, Suite 200

5600 North May Avenue Oklahoma City, Oklahoma 73112 (405) 842-2333

Telecopier (405) 842-9901 Mobile (405) 375-5926 * 644 Home (405) 348-3498 * 645

DIVISION OF OIL, GAS AND MINING

	·		5. LEASE DESIGNATION & SERIAL NO.
			Fee
	*TAFE WILDERONTE	OH WELL CONTENT	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
the material forms for the	TICES AND REPORTS	Ante Wallferent reservoir	
Use "APP	LICATION FOR PERMIT-" for	giveroposals.)	7. UNIT AGREEMENT NAME
1. OIL GAS C	JAN 02 1990	JAN 02 1939	, unit Adazzata Adaic
WELL WELL OTHER	JAN 0 1000 (1000)		8. FARM OR LEASE NAME
2. NAME OF OPERATOR	DIVISION OF	DIVISION OF	116 16/1
3. ADDRESS OF OPERATOR	- OIL GAS & MANIMA	OIL. GAS & MINING	9. WELL NO.
s. Augustus of Grands	< 1 mm all like	01/ 1243	
4. LOCATION OF WELL (Report location	clearly and in accordance with any State re-	quirements. OIL AND GAS	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.)	173 761	DPN R	E Wildeat
At surface 1268' FWL, 17	113 732	Dinv	11. SEC., T., K., M., OK BLK. AND
At proposed prod. zone		JRB GL	34-T45-R22E
Some as a	15. ELEVATIONS (Show whether I	DTS SI	S 34-743-RFF
14. API NO.		OF, RT. GR. etc.)	12 600 11 11 11 11 11
43-041-31880	5072 (GL)		- Wintak Wan
16. Chec	k Appropriate Box To Indicate	Nature of Notice, Report	or Other Data
NOTICE OF IN			UBSEQUENT REPORT OF:
		WA FSE MIOROFIL M	REPAIRING WELL
TEST WATER SHUT-OFF	PULL OR ALTER CASING MULTIPLE COMPLETE	FRACTURE TREATMEN	╼╼┼╍╂ ╎ ╶┈╎ ^{╼═╾} ┊
FRACTURE TREAT	ABANDON	SHOOTING OF ACIDIZE	
SHOOT OR ACIDIZE	CHANGE PLANS	(Other)	
(Other)		(Note: Report r Completion or	Recompletion Report and Log form.)
APPROX. DATE WORK WILL ST	-TA = 1-14-90	DATE OF COMPLETIC	
APPROX. DATE WORK WILL ST	ART	1	give pertinent dates, including estimated date of
Par organd APD 4 consultions encountered han expected. S lepth changed count for any haye in casin	In Proposed depth,	* Must be a was filed for born approx	and true vertical depths for all markers and zones eccompanied by a cement verification report HOO', the upper Should be enough L S. There will be no To depth of 5500
18. I hereby certify that the forego	is truce and correct	P// /	1 10/00/00
SIGNED David on	Allus TITLE 7	Persolan Engree	DATE 12/29/89
(This space for Federal or State	office use)		
APPROVED BY	TITLE		DATE
CONDITIONS OF APPROVAL	, IF ANY:		

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	STA.	CAS AND MINIS	NG		Total Name of	les and Serial No.
A Secretary	DIVISION OF OIL	CV2 VIID 1121121		Υ Τ΄		Fec
				720 1	Il Indian. Alk	diffe on Tribe Name
BRUCATION	OR PERMIT TO	DRILL, DEEPEN	OR PLUG B	ACK		
ype of Work DAM		·	PIUG BAC	K [7]	Thit Agreemen	
ODRILL	DECREE OF A SERVICE	EEPEN [			Furni or Lens	- Kimi
ype of Well	Carrier States	N 02 1989-	Sagley (1) 4 - Kunti	the []	Ashley	57
rell X Weil Weil	Other	VISION OF		1	Weil No.	
SEARD OIL COMP.	1171 A	AC P ROLDING			1	i.
hiress of Uperatur			Obla City.	OK 7311	is Field and Fo	A WINES
iterprise Plaz	a. Suite 200, 56	ordance with any State re	quirement		Wildcet	Les Rei or Die.
surface 1268 FW	L. 1773' FSL of	the SW/4 (NE S	E NW SWI		and Survey or	Area
anne anne	4900' Weber Sand	dstone			34-745-1	
	irection from nearest town				12. County or P	
				1: 10: 41	Hintah	<u>  Utah</u>
3.4 Miles East			of acres in lease	to this	well 40	
location to nearest property or lease line, f (Also to nearest drig, lin	, 1268' FWL, 1//.	J 15L	posed depth	20. Rotary	or cable tools	
Distance from proposed	location*		900' We ber	Rot	tary	and and and
or applied for, on this is	exit, it. Hone	7	300			inte work will start
Elevations (Show whether					When	Approved
		POPOSED CASING AND	CEMENTING PROGRA	×		· · · · · · · · · · · · · · · · · · ·
4072' (GL)	Pl	KOLOSTD AMERICA				- Criment
			Setting Depth		Quantity	
Size of Hole	Size of Casing	Weight per Foot	Setting Depth		Ta Si	reface
Size of Hole	Size of Casing	Weight per Foot  Conductor  24#	Setting Depth 60+ 500+		Ta Si	irface P
Size of Mole  30"  12-1/4"  7-7/8"  XHIBITS ATTACH	Size of Casing  20"  8-5/8"  5-1/2"	Weight per Foot  Conductor  24#  15.5#	Setting Depth 60+ 500+ £900+	TECHNIK	TG SI TG SI 250	reface irface ixt
Size of Hole  30"  12-1/4"  7-7/8"  XHIBITS ATTACH  Location, E Ten Point P Blowout Pre	Size of Casing  20"  8-5/8"  5-1/2"  SED  Levation, Road, Plan.  eventer Diagram.	Conductor 24# 15.5#  Rig Layout Pla  IMPORTANT  1. This i 2. This s 3. Engine David Ivan I	Setting Depth 60+ 500+ 4900+  ts.  INFORMATION is fee land. ite is neitherer in Charge I. Allred (40). Allred (40)	TECHNIK Engr Geol Surface of Ope (5) 842- (5) 842-	TG SI TG SI 250 S AL REVIEW ARA A Color of the series of t	erface irface ixt 1,89 0/3/87 0-11-99
Size of Hole  30"  12-1/4"  7-7/8"  XHIBITS ATTACH  Location, E Ten Point P Blowout Pre  Blowout Pre  Signeductive sone. If preposes preventer program, if an  11. 1 hereby cartify to	Size of Casing  20"  8-5/8"  5-1/2"  SED  Elevation, Road, Plan. Eventer Diagram.  SCRIBE PROPOSED PROGRAM is to drill or deepen directly.  Nat this report is true or	Conductor 24# 15.5#  Rig Layout Pla  IMPORTANT  1. This i 2. This s 3. Engine Bavid Ivan I  RAM: If proposal is to detionally, give persinent da	Setting Depth 60+ 500+ 4900+  INFORMATION  Is fee land. Site is neither in Charge I. Allred (40). Allred (40). Allred (40). Allred (40).	TECHNIC Engr. 4 Geel. 5 Surface of Ope (5) 842- (5) 842-	TG SI TG SI 250 S AL REVIEW ARB A B A B A B A B A B A B A B A B A B A	A 89  2/3/87  2/3/87  2/3/87  2/3/87
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Size of Hole  30"  12-1/4"  7-7/8"  XHIBITS ATTACH  Location, E Ten Point P Blowout Pre Blowout Pre  N ABOVE SPACE DES  Including sone. If propose preventer program, if an  1 hereby sertify to  Signed.  API NO.	Size of Casing  20"  8-5/8"  5-1/2"  SED  Elevation, Road, Plan. Eventer Diagram.  SCRIBE PROPOSED PROGING in to drill or deepen directly.  That this report is true or the composition of the composition	Weight per Foot  Conductor 24# 15-5#  Rig Layout Pla  IMPORTANT  1. This i 2. This s 3. Engine David Ivan I  RAM: If proposal is to detionally, give pertinent date and complete to the best  Title_P.	Setting Depth 60+ 500+ 4900+  INFORMATION  Is fee land. Site is neither in Charge I. Allred (40).	Engr Geol Surface of Ope (5) 842- (5) 842-	TG SI TG SI TG SI TG SI 250  AL REVIEW  AL R	State Unit.  State Unit.  State Unit.  State Unit.  State Unit.  AND MININ
Size of Hole  30"  12-1/4"  7-7/8"  KHIBITS ATTACH  Location, E Ten Point P Blowout Pre Blowout Pre Preventer program, if an in hereby certify to Signed	Size of Casing  20"  8-5/8"  5-1/2"  SED  Elevation, Road, Plan. Eventer Diagram.  SCRIBE PROPOSED PROGING in to drill or deepen directly.  That this report is true or the composition of the composition	Weight per Foot  Conductor 24# 15-5#  Rig Layout Pla  IMPORTANT  1. This i 2. This s 3. Engine David Ivan I  RAM: If proposal is to detionally, give pertinent date and complete to the best  Title_P.	Setting Depth 60+ 500+ 4900+  INFORMATION  Is fee land. Site is neither in Charge I. Allred (40).	Engr Geol Surface of Ope (5) 842- (5) 842-	TG SI TC SI 250 S  AL REVIEW  AL	State Unit.  State Unit.  State Unit.  State Unit.  State Unit.  AND MININ
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# DIVISION OF OIL, GAS AND MINING

, , ,	on or old, drib find filting	
		5. LEASE DESIGNATION & SERIAL NO.
SUNDRY NO	TICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not use this form for pro- Use "APP	posals to drill or to deepen or plug back to a different reser- LICATION FOR PERMIT—" for such proposals.)	voir.
OIL GAS WELL OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		Ashley Valley
Beard Oil Cov	mpany	9. WELL NO.
5600 North May	Au Sui Le 700 okla C. Ly.	73/12 /
Con also enegg 1.7 helow 1		Wildcat
At proposed prod. zone	713 751 of th 5W/4	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
-TD => 4900 W	Weben Sandstone	34-T45-R22E
14. API HO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY 13. STATE
43-047-31880	5072 (64)	Mintah Wah
16. Check	k Appropriate Box To Indicate Nature of Notice, Re	port or Other Data
NOTICE OF INT	TENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING WATER SHUT-OF	F REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE FRACTURE TRE	
SHOOT OR ACIDIZE	ABANDON Y SHOOTING OR A	CIDIZING ABANDONMENT*
REPAIR WELL	CHANGE PLANS (Other)(Note: Re	port results of multiple completion on Well
(Other)		ion or Recompletion Report and Log form.)
APPROX. DATE WORK WILL STA	RT /-/2-70 DATE OF COMP	PLETION
17 DESCRIBE PROPOSED OR COL	MPLETED OPERATIONS (Clearly state all pertinent detail ell is directionally drilled, give subsurface locations and mea	ls, and give pertinent dates, including estimated date of sured and true vertical depths for all markers and zone:
Placed Well 1-15-	* Must	t be accompanied by a cement verification repor
formation Tops	7/4 5/6	
Weber 55 @ 478	85' 4734-4834	hongth of Plag
Chinke @ 3760		100' 100'
	50 in - 50 out	100'
Surface (Bothom)	of Surface p.pe	700
		15'
Supace (10p)	45' @ Lop	45'
Surface (18ps Surface Marker	45' @ Lop	
Surface Marker Operator, Lego		
Surface Marker Operator, Lega 18. I hereby certify that the foregoing	als, Date Spuded & abo	n/ Well Name,
Surface Marker Operator, Lega	als, Date Spuded & abo	
	15'8 top 1 9'above goond terel als, Date Spuded & abo ne y true storonecy — TITLE Petroleum	w/ Well Name,

RECEIVED

## 

APPLICATION TO APPROPRIATE WATER Roll #_____

For the purpose of acquiring the right to use a portion of the state of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated 1953, as amended.

WATER RIGHT NUMBER: 45 - 5380

APPLICATION NO. T64332

1. PRIORITY OF RIGHT: December 6, 1989

FILING DATE: December 6, 1989

2. OWNER INFORMATION

Name: Ashley Valley Sewer Management Board

Boyce CoombsPhone: (801) 789-0961 Address: Box # 426, Vernal, UT 84078

The land is owned by the applicant(s).

- 3. QUANTITY OF WATER: 6.0 acre feet (Ac. Ft.)
- 4. SOURCE: Unnamed Wash DRAINAGE: Ashley Valley

POINT(S) OF DIVERSION:

COUNTY: Uintah

(1) S. 1551 feet, E. 2799 feet, from the NW Corner of Section 33, Township 4 S, Range 22 E, SLB&M

Description of Diverting Works: Pumps and hoses

COMMON DESCRIPTION: 4Mi. East of Vernal

- 5. NATURE AND PERIOD OF USE
  Oil Exploration From December 6 to May 6, 1972
- 6. PURPOSE AND EXTENT OF USE
  Oil Exploratio: Drilling and completion of Ashley Valley #1 oil well.
- 7. PLACE OF USE

The water_	is us	ed i	n all	or	parts	of	each	of	the	follo	wing	legal	subc	<u>livis</u>	<u>ions</u>	•
1,,,,,,,,,,,,,			Quarte				Quarte			uth West			South	East	Quarte	er
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4 S 22 E 34 I									<u> </u>	X						

All locations in Salt Lake Base and Meridian

BEARD OIL CO. 43-047-31880

**EXPLANATORY** 

*******************

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

The undersigned hereby acknowledges that even though he/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant(s).

Signature of Applicant

# FILL G FOR WATER IN THE STATE OF UTAH

Rec. by	
Fee Rec	
Receipt #	

Mi	crofi	lme	ď	

APPLICATION TO	<b>APPROPR</b>	IATE WATER
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For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated 1953, as amended.

WATER RIGHT NUMBER: 45 - 5380

**APPLICATION NO. T64332** 

1. PRIORITY OF RIGHT: December 6, 1989

FILING DATE: December 6, 1989

2. OWNER INFORMATION

Name: Ashley Valley Sewer Management Board

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The land is owned by the applicant(s).

- 3. QUANTITY OF WATER: 6.0 acre feet (Ac. Ft.)
- 4. SOURCE: Unnamed Wash DRAINAGE: Ashley Valley

COUNTY: Uintah POINT(S) OF DIVERSION:

(1) S. 1551 feet, E. 2799 feet, from the NW Corner of Section 33,

Township 4 S, Range 22 E, SLB&M

Description of Diverting Works: Pumps and hoses

COMMON DESCRIPTION: 4Mi. East of Vernal

5. NATURE AND PERIOD OF USE

Oil Exploration From December 6 to May 6, 1990

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Drilling and completion of Ashley Valley #1 oil well.

7. PLACE OF USE

•	Γhe	wat	er	is	used	in	all	or	parts	of	each	of	the	<u> fo</u>	1101	<u>ving</u>	<u>legal</u>	<u>subc</u>	<u> 1715</u>	<u>ions</u>	•
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TOW	N RAI	NGE S	ECI					•	NEX				<u>.</u>	NEX_	NW%	SW%	SE%	NEX	NW%	SW%	SE%
		2 E 3	:-					1					<u> </u>		Х						1

All locations in Salt Lake Base and Meridian

Beard Oil Co. - 43-047-31880

EXPLANATORY

****************************

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

The undersigned hereby acknowledges that even though he/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant(s).

Signature of Applicant

## STATE ENGINEER'S ENDORSEMENT

WATER RIGHT NUMBER: 45 - 5380

APPLICATION NO. T64332

1. December 6, 1989

Application received.

2. December 6, 1989

Application designated for APPROVAL by RWL and KLJ.

3. Comments:

Conditions:

This application is hereby APPROVED, dated January 19, 1990, subject to prior rights and this application will expire on January 19, 1991.

Robert L. Morga State Engineer

2 . 5,		FIELD	) DE	: )	DT		(=====	02.0731102	104		Lourn	107	
Schlumbe	rger	8ws-3660			л		Dh	OF SERVICE	<i>\frac{y-7}</i>	49	DISTE	,42	
WELL OWNER:	Bea	10011	10	5	<del></del>			SERVICE ORDER NUMBER:	109	33	7		
REPORTS ADDR			4151			<del></del>							
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LOCATION: SEC	34	+ 43	> R	991	-			4:471 tah	8	TATE:	41		
ONSHORE		OFFSHORE			ND WAT	ERS	Ø v	VILDCAT DEVELOPA	MENT		PRODUC	TION	
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- 10-75-7-0	1-72								UIPMEN	TOF	MENA		·····
-30.3060					T PRESS	SURFACE	PRESS		SERIAL#	OD	ID	LENGT	H DEPTH
SET PACKER	SCRIPTION	<u> </u>	V-/32	OF DAY	PSIG	CHOKE	IN-H-O	Drill Pipe	SENIAL"		3,340		
OPENED TOOL	Smin			1732		1	8		0/191	6	DYY	360	
OF ENED TOOLS	2 1.77 -7		<del> </del>	1	+	0	1	Commerce Revs	45	0	714	/	
				737	111/2	15_	<del>                                     </del>	Red Drill Co	110-5	6	21/	90	
CLOSED FOR INI	ITIAL SHUT	IN30min		1737	1/2	E		Rev Syb		0	DYY		
	· · · · · · · · · · · · · · · · · · ·				1	10		Dr. 11 (1143		0	2/4.	90	
FINISHED SHUT-	iN			1807	1.13			X-Over			278	个	
RE-OPENED TOO	DL 30M	14		1801	172			MFE-BYPUSS		5	12	V	
				8/2		]C,		JAK		13/4	118	37	
				1817	772	1''		Safety Joint	,	779	125		
			<u> </u>	(82)	8	9	ļ	Sofety Seal PKI		7_	1-18		
			ļ	1837	7/27/9	<del></del>	· · ·	BuBTail PAR		<del>/</del> _	13/8.	<del>- *</del> -	=
			<u> </u>		<u> </u>	0	<del> </del>	Pert		<u>5</u> _	11/1	<del>                                     </del>	<del></del>
			<del> </del>		+	R	<del> </del>	Recorder Pert		<del>5</del>	12/2	35	
			<del>                                     </del>	-	+	+	<del> </del>	Recorder		<del>5</del> -	1/1	<del>                                     </del>	
	· · · · · · · · · · · · · · · · · · ·		<del>                                     </del>	<del> </del>	+	<del> </del>		Pert & Bulloo	(e	5	2/2	<b> </b>	_
			<del> </del>	<del> </del>	+	+	<del>                                     </del>						
			1	<del> </del>	+	1	<u> </u>		1				
			<del> </del>	<del> </del>	+	+							
	<del></del>				<b>—</b>	1		7834		311	1		
					1	1		JAN 22	1990		7		
					1								
CLOSED FOR FIN	NAL SHUT-I	n Gomin		1837	2714			DIVISION	109				
FINISHED SHUT-	IN			937	0	1		OIL, GAS & A	Allaino				
						<u> </u>							
PULLED PACKER	LOOSE	···	<u> </u>	1940			ļ <u>.</u>				ļ	<u> </u>	
CUSHION TYPE	LENGTH	AMOUNT SU	REACE PR	ESS I TES	T TOOL PRE	ESS BOT, C	HOKE SIZE		WELLB	ODE E	L ATA		
None	-	-	~	-55		Y	2	FORMATION TESTED We	WELL B	OHE L	AIA		
70.70	l	SAMPLE	P DAT				•	NET PRODUCTIVE INTERVAL		ft ES	T PORC	SITY /	2 %
RECOVERY		RESISTIVITY			<del></del>	CHL CO	NTENT	ELEVATION 50	862				FROM/B
	. FT. GAS	RECOVERED W		1 6	⊂ ∘F	700	PPM	TOTAL MEASURED DEPTH 7	1839			T DEPTH	- ft
	C. OIL	RECOVERED M	IUD	@	°F	<i>```</i>		OH SIZE 778		in			
2920 c.c	. WATER	REC. MUD FILT	RATE	<b>@</b> ~	°F		PPM	CASING SIZE		in CA	SING W	г. —	#/ft
<del></del>	. MUD	PIT MUD	.70	@	°F			LINER SIZE		in Llf	NER WT.		#/ft
GRAVITY ~ °AF	PI °F	PIT MUD FILTRA			°F (	1000	PPM	PERF INTERVAL FROM		ft TC	<u> </u>	ft	:= - ft
GOR CU.	. FT/BBL.	SAMPLER PRES		35				SHOT DENSITY	spf		DIAMET		in
	· * * * * * * * * * * * * * * * * * * *	INSTRUME						TOTAL SHOTS			BALANCE	PRESS	psi
INSTRUMENT NO.	18//	j	190	77				Dal 26	MUD	DAT			
CAPACITY				20				MUD TYPE Poリナロ				95	
	4900		1040							M	UD WT	95	
DEPTH NICIDE OF TENDE	4846	'	418	53				VISCOSITY 60		W	ATER LO		
INSIDE-OUTSIDE	4846 IN		48:	53 F				VISCOSITY 50 RESISTIVITY: OF MUD	. /	M W	ATER LO	95 088 6 °F	
INSIDE-OUTSIDE CLOCK CAP	4846 48		18:	53 / <del>/</del>				VISCOSITY 60 RESISTIVITY: OF MUD : OF FILTRATE	, / , / PPM	M W 75 @	IATER LO	°F	cc
INSIDE-OUTSIDE	4846 1N 48		1990	53 /* ?				VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES	. 7	M W 75 @	ATER LO	°F	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F	4846 48		18:	53 /F ? )	437			VISCOSITY 60 RESISTIVITY: OF MUD : OF FILTRATE	. 7	M W 75 @ N	IATER LO	°F °F PPN	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G.	4846 178 109 2336	427	18: 04: 48: 11: 23: 105:	53 7 7 7 63				VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES	PPM	M W 75 @ N	IATER LO	°F °F PPN	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G.	4846 48 48 109 2336 99	427	18: 04: 48: 11: 23:11	53 7 7 7 63	437			VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES	PPM	M W 75 @ N	IATER LO	°F °F PPN	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G.	4846 109 109 2336 99 2058	427	18: 04: 48: 11: 23: 105:	53 7 7 7 63				VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES	PPM	M W 75 @ N	IATER LO	°F °F PPN	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd SI. P.S.I.G. F. FLOW P.S.I.G.	4846 1N 48 109 2336 99 2058 405	1198	1185 04 48 110 234 105 25 47	53				VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES	PPM	M W 75 @ N	IATER LO	°F °F PPN	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G.	4846 1/8 109 2336 99 2058 405	1198	1185 1185 1165 1165 1175 1175 1175 1175 1175	53 7 0 15 63 1				VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES	PPM	M W 75 @ N	IATER LO	°F °F PPN	CC PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G.	4846 109 236 99 2058 465 2058 2058 2058 2058	1198	1185 04 48 110 234 105 25 47	53 7 0 15 63 1	120	3		VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	INTER LC	°F °F PPN CG54	PPN
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	4846 1/8 109 2336 99 2058 405 3058 2058 2058	7 427 1198	116 118 116 116 116 117 105 105 107 107	53 7 7 7 63 7 63 7 8			96	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM P-///	M W 75 @ N	API GRAV	°F °F PPN PG55	PPN  T CHL PPM
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F 1. HYD. P.S.I.G. 1. FLOW P.S.I.G. 1.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	4846 109 2336 299 2058 405 2058 2058 2058 2058 2058	1198 1198 1000 1000 Wat	116 118 116 116 116 117 105 105 107 107	53 7 7 7 63 7 63 7 8	120	3 BBLS		VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV	PPN PGSS	PPN  T CHL PPM  F
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	4846 109 2336 299 2058 405 2058 2058 2058 2058 2058	1198 1198 1000 1000 Wat	116 118 116 116 116 117 105 105 107 107	53 7 7 7 63 7 63 7 8	120	3		VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV	PPN PGGSJ RESIST	CC PPN T CHL PPM F 9000
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	1/8 109 2336 99 2058 99 2058 99 2058 9058 2058	1198 1198 1000 1000 Wat	110 118 110 110 105 105 105 107 107 107 107 107 107 107 107	53 75 63 1 63 55	120 FEET	8BLS	0	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV	PPN PGSS RESIST F @ GF	PPN TOTAL PPM TO
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	1/8 109 2336 99 2058 99 2058 99 2058 9058 2058	198 198 1000 1000 Wat	1990 1981 1981 1981 1981 1981 1981 1981	53 75 75 63 7 7 7 7 7 7 7 7 7 7 7 7 7	120 FEET 153	3 BBLS 1.00	3	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV	PPN PGS J RESIST F @ G F / Og/OCC	CC PPN T CHL PPM F 9000 F 966
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	1/8 109 2336 99 2058 99 2058 99 2058 9058 2058	198 198 1000 1000 Wat	110 118 110 110 105 105 105 107 107 107 107 107 107 107 107	53 75 75 63 7 7 7 7 7 7 7 7 7 7 7 7 7	120 FEET	8BLS	3	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV   POR	PPN PQSS RESIST F @ G F @ G F @ G	PPN T CHL PPM F 9000
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI	1/8 109 2336 99 2058 99 2058 905 905 905 905 905 905 905 905 905 905	198 198 1000 1000 Wat	1990 1981 1981 1981 1981 1981 1981 1981	53 75 75 63 7 7 7 7 7 7 7 7 7 7 7 7 7	120 FEET 153	3 BBLS 1.00	3	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV	PPN PCQS L  RESIST F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F @ G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G F W G	CC PPN TO CHL PPM PF PF PF PF PF PF PF PF
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI SPECKIO	1/8 109 2336 99 2058 99 2058 99 2058 99 2058 105 105 105 105 105 105 105 105 105 105	1198 1198 1000 1000 Wat	1990 1981 1981 1981 1981 1981 1981 1981	53 75 75 63 7 7 7 7 7 7 7 7 7 7 7 7 7	120 FEET 153	3 BBLS 1.00	3	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV	PPN	CC  PPN  T CHL PPM  PF  PF  PF  PF  PF  PF  PF  PF  PF
INSIDE-OUTSIDE CLOCK CAP TEMPERATURE °F I. HYD. P.S.I.G. I. FLOW P.S.I.G. I.S.I P.S.I.G. 2nd FLOW P.S.I.G. 2nd S.I. P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. FLOW P.S.I.G. F. HYD. P.S.I.G. RECOVERY DI SPECKIO	1/8 109 2336 99 2058 99 2058 905 905 905 905 905 905 905 905 905 905	1198 1198 1000 1000 Wat	1990 1981 1981 1981 1981 1981 1981 1981	53 75 75 63 7 7 7 7 7 7 7 7 7 7 7 7 7	120 FEET 153	3 BBLS 1.00	3	VISCOSITY  RESISTIVITY: OF MUD  : OF FILTRATE  CHORIDES POOO  H ₂ S DURING TEST NO  REMARKS: NO Fills	PPM	M W W W W W W W W W W W W W W W W W W W	API GRAV  API GR	PPN PQSS RESIST F @ S F Oolog	CC  PPN  CHL PPM  F  PF  PF  PF  PF  PF  PF  PF  PF
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DOWELL SCHLUMBERGER INCORPORATED P.O. BOX 4378 HO! TON, TEXAS 77210 TYPE SERVICE CODE **BUSINESS CODES** CUSTOMER P.O. NUMBER API OR IC NUMBER Beard **ADDRESS** 190 1100 LOCATION CITY, STATE AND SERVICE ORDER RECEIPT DSI will furnish and Customer shall purchase materials and services required in the certify that the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE services listed were authorized and in accordance with the terms and conditions as received and all services performed printed on the reverse side of this form. in a workmanlike manner I have the authority to accept and Plug to Abandon 1st Plug 4051.4834-4734 2nd Plug 40 Sk 3810-3710, 3rd. 580 - 480 355k 4+h. Plug 50' lo Surlace 155k. Left 15:20 one execute this document. CODE COUNTY / PARISH LOCATION AND POWLY PLANT ADDRESS UNIT PRICE \$ AMOUNT 048256-000 Pump Charge doplh 3000' 156600 156600 ea 311.78 H 048256-001 Additional F. Below 3000' 1834 2400 059200 - 002 Mileage 2.40 10 mi 059697-000 PACF Cont Recorder 049102-000 Delivery Charge Min. 66 151.20 049100 - 000 Service Charge cuff 140 8.10 1134.00 040007 -000 D.907 G Cenient 190 Thank you SUB TOTAL LICENSE/REIMBURSEMENT FEE REMARKS STATE % TAX ON \$ COUNTY % TAX ON \$ % TAX ON \$ SIGNATURE OF DSI REPRESENTATIVE TOTAL \$

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# BULK MATERIALS DELIVERY AND

# TICKET CONTINUATION

FOR INVOICE AND 41417

DATE	CUSTOMER ORDER	NO.		WELL NO. AND FARM		co	UNTY			<del></del>	STATE	
12-16-89				Ashley Valle	ey #1		Vin	tah			į	Utah
CHARGE TO				OWNER		CONTRA	CTOR				0700	
Beard 011				Same						No.	8760	31
MAILING ADDRESS				DELIVERED FROM		LOCATIO	N CODE	PREPA	RED B		"	
				Vernal, U	tah		685			JCB	rewer	
CITY & STATE				DELIVERED TO		TRUCK N	o. <b>89-76</b>	RECEIV	VED BY	٤()	11. (	)
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PRICE REFERENCE	SECONDARY REF. OR PART NO.	C00		DESCRIPTION		UNIT	MEAS.	UNITS	2 MEAS	UNIT PRICE	AMOU	NT
504-050	516.00261			remium Plus Cement		350	sk	1		8.02	2,80	7.00
509-406	890.50812		Ca	lcium Chloride Mixed	27	7	sk			2775	19	4.25
507-210	890.50071	П	1	ocele Mixed k#/sk		80	1Ъ			1.27	10	1.60
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		+	SERVICE	CHANGE ON MATERIALS RETURNED			CU. FE	:E1				
500-207			SERVICE	CHARGE			CU. FE	36 ⁴		<b>.9</b> 5	3 <b>4</b>	365
500 214			Mileage Charge	33508	10		16	7.54		.75		,,
500-314	007	$\perp$	Ja.ye	TOTAL WEIGHT	LOADE	D MILES	TON M	ILES			125	66
No. B 876	บษไ				CARR	Y FORWAR	D TO INV	DICE	SUB-T	OTAL	ን የ ካብ	,,
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ORM 2013	R-z		-	103	TYPE	<b>心</b> 為"	Sycre	CC Cristians - GATE 12/16/39
CHART NO.	TIME	RATE (BPM)	POLUME	FUR	C	PRESSUI TUBING	RK (PSI) CASING	*DESCRIPTION OF OPERATION AND MATERIALS
al .	1630							Cauce our
	1000	at.		,		2.5	V 15	ON L'OCATION - RIGUE
-16-67	2300	er je						Safery Microsias
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	0300							STATE PRIXING 350 SK LOT FAMILY 15.69
	0302	4-5	0				150	START PURPOSE CEMENT
	0320		7315				<b>5</b> 3	End Cement
	0:20					***		Drup Top plus 500 Rubber
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WELL COM	ADI ETION	OR DE	COMPLE	TION P	ARG	NDITE	)G	6. IF INDIAN.	ALLOTTER OF	TRIBE HAME
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L TYPE OF COMP	WORK [ DE	בף ריין פּנ	uc D	PIFF.	Other JAN	122 100		S. FARM OR	LEASE NAME	
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S600 North	Man An	a Suid	e 700	OKla	C. 1,0	Kla 7	3112	10. FIELD AN	D POOL, OR	ILDCAT
4. LOCATION OF WEL	L (Report locati	ion clearly an	d in accorda	ince with any	State require	ements)		Will	Cat	R AND SULVEY
At surface 126	S FWL	, 1773	FSZ O	1 the	SW/4	*	ļ	OR AREA		
At top prod. inte	erval reported be	elow	•		,			Sec 34	1-T45	- R77E
At total depth								_		
- (	ain' /	1.1	14.	API NO.		DAUREI BTAC		12. COUNTY	13.	ATATE
70=4	910' (V		17	3-047-				Minta	h /	Hah
15. DATE SPUDDED	16. DATE T.D.	REACHED 17	. DATE COMP	L. (Ready to		ELEVATIONS 507	(DF, 181, R	CL)	19. 111. (	/ )
		UQ BACK T.D.,	W0 4 700	(Plug &	TIPLE COMPL.		TERVALS	BOTARY TOO	LS CAL	LE TOOLS
20. TOTAL DEPTH. MD	21. PL	UG BACK T.D.,	25 2 1.10	HOM N			RILLED BY	Rotar	,	
24. PRODUCING INTER	VAL(S), OF TRIS	COMPLETION	TOP, BOTT	OM, NAME (M	D AND TYD)			/		DIRECTIONAL ET MADE
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28.				ECORD (Rep		set in well)			1 480	UNT PRLIED
CASING SIZE	WEIGHT, LB.	./FT. DEP	CASING RITE SET (MD	) Hot	LE SIZE	set in well)	EMENTING		AMO	UNT PULLED
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CASING SIZE  R S/K  29.	TOP (MD)	LINER REG	CORD MD) SACE	OIL 7	SCREEN IM	Cenery  30.  21. S1:	OF SE	RECORD  TUBING REC DEPTE SET (N	ORD ID) PACE T SQUEEZE.	ER SET (MD)
CASING SIZE	TOP (MD)	LINER REG	CORD MD) SACE	OIL 7	SCREEN IM	Cenery  30.  21. S1:	OF SE	RECORD  TUBING REC DEPTE SET (N	ORD ID) PACE T SQUEEZE.	ER SET (MD)
CASING SIZE	TOP (MD)	LINER REG	CORD MD) SACE	OIL 7 CEMENT JICO DIS  J-TAS D MIC	SCREEN IM  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCREEN IM  GLO  SCR	Cenery  30.  21. S1:	OF SE	RECORD  TUBING REC DEPTE SET (N	ORD ID) PACE T SQUEEZE.	ER SET (MD)
CASING SIZE  R X/Y  29.  BIZE  31. PERFORATION REC  Well Plants  33.	TOP (MD)	LINER REGISTRON ()	CORD  Sack	OIL 7	SCREEN IM  SCREEN IM  SLA  SCREEN IM  SLA  SLA  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN	Set in well)  Cenery  30.  31.  ACID. SH	DT, FRACT	RECORD  TUBING REC  DEPTE SET (1)  TURE, CEMEN	ORD ID) PACE T SQUEEZE.	ETC. AL CRED
29.  BIZE  31. PERFORATION REC  Well Pl	TOP (MD)	LINER REG	CORD  Sack	OIL 7	SCREEN IM  SCREEN IM  SLA  SCREEN IM  SLA  SLA  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN	Set in well)  Cenery  30.  31.  ACID. SH	DT, FRACT	TUBING RECORD TURE. CEMEN	ORD  (D) PACK  T SQUEEZE.  ND OF MATERI	ETC. AL CRED
29.  SIZE  31. PERFORATION REC  WELL PA	TOP (MD)  TOP (MD)  TORD (Interval, 1)	LINER REGISTRON (1)	CORD MD) SACK  ber)  90	OIL /	SCREEN IM  SCREEN IM  SLA  SCREEN IM  SLA  SLA  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN IM  SCREEN	30.  D) SII	DT, FRACT	TUBING RECORD TURE. CEMEN	ORD  TO PACE  T SQUEEZE.  ND OF MATER!  STATUS (Prost-in)	ETC. AL CRED
CASING SIZE  R X/Y  29.  BIZE  31. PERFORATION REC  Well Plants  33.	TOP (MD)	LINER REGISTRON (1)	CORD MD) SACK  ber)  90	OIL /	SCREEN IM  GLO  SCREEN IM  GLO  SLO  SROEH M  BUCTION  Filing - eize	30.  D) SII	OF SE	TUBING REC DEFTE SET ()  TURE, CEMEN LOUNT AND ESS sh	ORD  TO PACE  T SQUEEZE.  ND OF MATER!  STATUS (Prost-in)	ETC. AL CBED
29.  SIZE  31. PERFORATION REC  WELL PLAN  33.  DATE FIRST PRODUCT	TOP (MD)  TOP (MD)  TORD (Interval, 1)	LINER REGISTRATION (1)  BOTTOM (1)  BOTTOM (1)  CHOESE  URE CALCUIT	CORD MD) SACE  Ber)  GOO (Flowing SIZE FI	OIL /	SCREEN IM  GLO  SCREEN IM  GLO  SLO  SROEH M  BUCTION  Filing - eize	30.  30.  ACID. SHI  ERVAL (MD)	OF SE	TUBING RECORD TUBING RECORD SET (1)  URE CEMEN SOUNT AND EN	ORD  ORD  T SQUEEZE.  ND OF MATER!  STATUS (Prost-in)  L. GAS-01	ETC. AL CBED
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### WELL HISTORY

#### PAGE -14-

 BEARD OIL COMPANY, ASHLEY VALLEY #1
 BOC: 33.3333 BCP

 1268' FWL & 1773' FSL (NE SE NW SW)
 BOC: 50.0000 ACP

 OF THE SW SECTION 34-4S-22E
 AFE PWC: \$503,120

 UINTAH COUNTY, UTAH
 AFE DHC: \$271,250

CONTRACTOR:

WIN-ROCK DRLG.CO., RIG #7

ELEVATION:

5072' GL; 5086' KB

4900' WEBER SAND TEST

01-15-90:

31 DFS. Depth: 4910' TD. Made: 43'. PO: TIH. Fmn: Weber. Bit #6 out @ 4910', ftg: 92'/14 hrs, 6.5'/per hr, cond: 2-1-I. Hookload 115,000, WOB 35-40, RPM 60-70, SPM 60, PP 900, 6.87 BPM, 284 GPM, MW 9.4, vis 58, WL 5.8, PV 21, YP 16, gels 3 & 14, Ph 10.0, FC 1, sd 1/8, solids 7, alk 2.1, Cl 12,000. Bottom hole assembly: 1 bit, 1 3 point, 1 IBS, 1 short DC, 1 IBS, 1 6" DC, 1 IBS, 19 6" DC's, 1 Key Seat wiper, 1 cross over sub. 100% sd. BDT: 7 1/2 hrs drlg; 3 hrs trip; 2 1/2 hrs circ; 11 hrs logging. DWC: \$21.591 CWC: \$263,020.

01-16-90:

logging. DWC: \$21,591 CWC: \$263,020. 32 DFS. Depth: 4910' TD. Well P & A'd. Cmtd by Dowell. Rig released @ 12 midnight 1-16-90. BDT: 3 hrs trip; 8 1/2 hrs LDDP & DC's; 1 1/2 hrs RU cementers & LD crew; 4 1/2 hrs ND & clean mud tanks. Plugged as follows: 1st plug: 4734-4834', 100', Class "G" cmt 7.5 bbls, density 8.5, cmt yield 1.15 cf/sx, 38 sx. 2nd plug: 3810-3710', 100', Class "G" cmt 7.5 bbls, density 8.5, cmt yield 1.15 cf/sx, 38 sx. 3rd plug: 50' in 50' out @ surf csg @ 530', Class "G" cmt 6 bbls, density 8.5, cmt yield 1.15 cf/sx, 30 sx. 4th plug: 50' @ top of surf, Class "G" cmt 3 bbls, density 8.5, cmt yield 1.15 cf/sx, 15 sx. Formation water analysis: 2137 ppm TDS, 1836 ppm NaCl equivalent, 3.6 ohms @ 60°F (calculated). DWC: \$10,000 CWC: \$273,020.

Electric Log Tops:

K Frontier	1150' (+3936)
K Mowry	1363' (+3723)
K Dakota	1496' (+3590)
J Morrison	1572' (+3514)
J Curtis	2364' (+2722)
J Entrada	2530' (+2556)
J Carmel	2790' (+2296)
J Navajo	2912′ (+2174)

#### WELL HISTORY

### PAGE -15-

BEARD OIL COMPANY, ASHLEY VALLEY #1	BOC: 33.3333 BCP
1268' FWL & 1773' FSL (NE SE NW SW)	BOC: 50.0000 ACP
OF THE SW SECTION 34-4S-22E	AFE PWC: \$503,120
UINTAH COUNTY, UTAH	AFE DHC: \$271,250

CONTRACTOR: WIN-ROCK DRLG.CO., RIG #7

ELEVATION: 5072' GL; 5086' KB

4900' WEBER SAND TEST

01-16-90: Electric Log Tops:

(CONT'D.) T Chinle 3760' (+1326)
T Shinarump 3878' (+1208)
T Moenkopi 3990' (+1096)
P Park City 4664' (+422)
TP Weber 4785' (+302)

FINAL REPORT.



Geoscience Services

**Terra Tek Core Services** 

### Final Report Routine Core Analysis Results

#### BEARD OIL COMPANY

Beard Ashley Valley No. 1 Well Uintah County, Utah

TTCS File No. 5529

### CORE INTERVAL SUMMARY

Core No.	<u>Interval</u>	<u>Formation</u>
1	4806.0 - 4817.8	Weber Sandstone



Geoscience Services

**Terra Tek Core Services** 

January 23, 1990

Beard Oil Company 5600 North May Avenue Suite 200 Oklahoma City, OK 73112

Attn: Mr. Martin Pruatt

Subject: Routine Core Analysis Results; Beard Ashley Valley No.

1 Well; Uintah County, Utah; TTCS File No. 5529

Dear Mr. Pruatt:

Diamond coring equipment and water base mud were used in the Beard Ashley Valley No. 1 Well to obtain a 4.0-inch diameter core from the interval and formation listed on the preceding page. A representative of TerraTek Geoscience Services was at the wellsite to retrieve, preserve, and prepare the core for transport to the TerraTek laboratory in Salt Lake City, Utah. The residual fluids were preserved by wrapping the core with plastic wrap.

After the core arrived at the laboratory and was depreserved, a core gamma log was recorded. Samples were selected for analysis from each foot of core. Residual fluid saturations were determined using the controlled temperature retort extraction technique on 100-gram crushed samples. Companion plug samples were drilled from the core using water as the bit coolant and used for porosity and permeability measurements. Porosities were determined by measuring bulk volumes in a mercury pycnometer by Archimedes' principle and grain volumes in a helium expansion porosimeter by Boyle's law. Permeabilities to nitrogen gas were measured in a Hassler sleeve using an orifice-equipped pressure transducer to monitor downstream flow.

A plot of the total gamma ray activity appears on the enclosed Teklog along with plots of grain density, permeability, porosity, and residual fluid saturations. The results of the measurements described above are tabulated following the Teklog plot. A permeability versus porosity crossplot is included at the end of this report.

# BEARD OIL COMPANY PAGE 2

The core remains at our laboratory awaiting instructions from you as to the final disposition. We sincerely appreciate this opportunity to be of service and look forward to working with you again on future projects.

Best regards,

Kurn R. Frances

Kevin R. Francis Data Evaluator

KRF/tjs

#### Final Distribution List

### BEARD OIL COMPANY

### Beard Ashley Valley No. 1 Well Uintah County, Utah

#### TTCS File No. 5529

6 COPIES SENT TO:

BEARD OIL COMPANY 5600 North May Avenue Suite 200 Oklahoma City, OK 73112

ATTN: Martin Pruatt

3 COPIES SENT TO:

EXXON COMPANY, U.S.A. P.O. Box 120 Denver, CO 80201

ATTN: S.W. Allison

### TERRA TEK CORE SERVICES

360 Wakara Way, SLC Utah 84108 (801) 584-2480

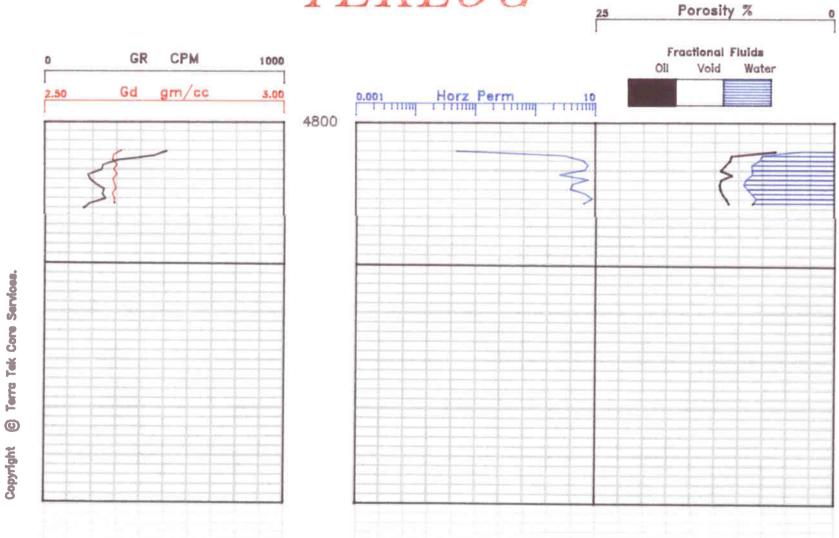
BRARD OIL COMPANY Beard Ashley Valley No. 1 Well

Terra Tek Core Services.

Copyright

TEKLOG

January 23, 1990 TTCS# 5529-100



# TerraTek Core Services, Inc.®

University Research Park - 360 Wakara Way - Salt Lake City, Utah 84108 - (801) 584-2480 - TWX 910-925-5284

#### BEARD OIL COMPANY

Beard Ashley Valley No. 1 Well:

State: Utah Uintah

23-JAN-1990 Date: TTCS File #: 5529

Wildcat Field: Drilling fluid: Water Base County:

Location: Sec. 34-I4S-R22E

Elevation:

### RETORT ANALYSIS - BOYLE'S LAW POROSITY

)								
			bility	Porosity		ration	Grain	I i khalaan
Sam) Numi		Horz (md)	Vert (md)	<b>%</b>	0i1 %	H20 %	Density (9m/cc)	Lithology 
	Weber Sandsto	ne						
1	4806.0-07.0	.05		6.1	0.0	58.5	2.66	Sd,vfg,slty,sl/pyr
2	4807.0-08.0	3.0		10.8	0.0	70.5	2.64	Sd,fg
3	4808.0-09.0	6.2		10.9	0.0	71.8	2.64	Sd,fg
	4809.0-10.0	7.6		11.4	0.0	76.2	2.65	Sd,fg
4 5	4810.0-11.0	6.6		11.9	0.0	72.3	2.64	Sd,fg
6	4811.0-12.0	2.5		10.7	0.0	80.9	2.65	Sd,vf-fg,slty
7	4812.0-13.0	7.6		11.8	0.0	78.3	2.64	Sd,fg
) 8	4813.0-14.0	4.2		12.0	0.0	79.2	2.65	Sd,vf-fg,slty
9	4814.0-15.0	3.8		11.9	0.0	76.5	2.65	Sd,vf-fg,slty
10	4815.0-16.0	6.8		11.7	0.0	74.2	2.64	Sd,vf-fg,slty
11	4816.0-17.0	8.9		11.3	0.0	72.4	2.65	Sd,vf-fg
12	4817.0-17.8	6.4		11.0	0.0	77.3	2.65	Sd,vf-fg

### KEY TO LITHOLOGICAL ABBREVIATIONS

Anhy - Anhydrite/anhydritic	g - grain	pyr - pyrite/pyritic
arg - argillaceous	glauc - glauconitic	qtz - quartz
Ark - Arkosic	Gyp - Gypsum	Sd - Sand/Sandstone
Bent - Bentonite	hal - halite	sdy – sandy
biot - bioturbated	hem - hematite	Sh - Shale
brec - brecciated	incl - inclusions	shy - shaley
c - coarse	Ign - Igneous	sid - siderite
calc - calcareous	lam - laminations	sil - siliceous
carb - carbonaceous	lig - lignite/lignitic	sl/ - slightly
ccf - calcite fill fracture	lmy - limy	Sltst - Siltstone
Cgl - Conglomerate/	Ls - Limestone	slty - silty
conglomeratic	m - medium	stk – streak (s)
chky - chalky	mica - micaceous	sty - stylolite
Cht - Chert	Ms - mudstone	suc - sucrosic
chty - cherty	nod - nodules	Tuff - Tuff
cly - clay/clayey	ool - oolitic	v/ - very
Dol - Dolomite/Dolomitic	org - organic	vc - very coarse
f - fine	pbl - pebbles	VF - vertical fracture
fis - fissures	pel - peloids	vf - very fine
fos - fossiliferous	pis - pisolites/pisolitic	vgs - vugs
frac - fractures	pp - pinpoint	vgy - vuggy
		xl - crystalline
		<del>-</del>

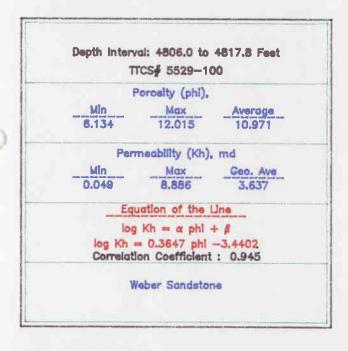
# TerraTek Core Services, Inc.®

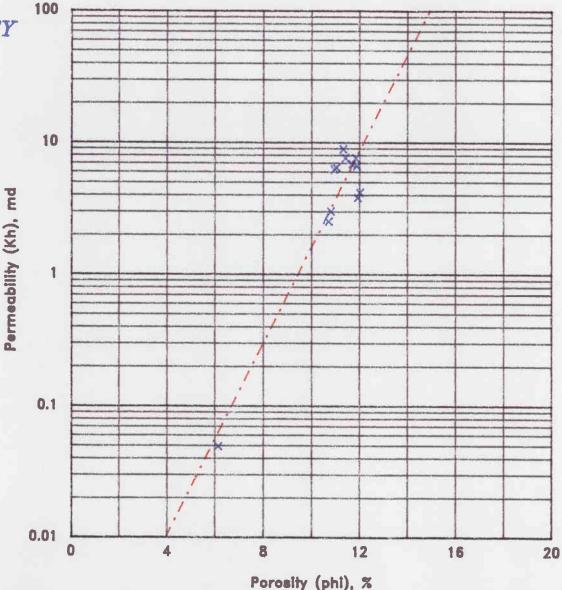
University Research Park - 360 Wakara Way - Salt Lake City, Utah 84108 - (801) 584-2480 - TWX 910-925-5284

## HORIZONTAL PERMEABILITY VS POROSITY

## BEARD OIL COMPANY

Beard Ashley Valley No. 1 Well Wildcat Uintah County, Utah January 23, 1990





### BEARD OIL COMPANY

ENTERPRISE PLAZA, SUITE 200 5600 NORTH MAY AVENUE OKLAHOMA CITY, OKLAHOMA 73112 TELECOPIER NO. 405/842-9901 405/842-2333

November 13, 1992

State of Utah Department of Mineral Resources Division of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

DIVISION OF OIL GAS & MINING

Vicky Carney, Attention:

Production Group Supervisor

45 2ZE 34 Re: Ashley Valley #1

API No. 43-047-31880 Uintah County, Utah

Submittal of Additional Well Data

Dear Ms. Carney:

In response to your request of November 4, 1992, we submit the following well records for the captioned well:

- 1) SHDT-Dipmeter Monitor Log;
- 2) MSD-Dipmeter Computed Result;3) Sample Mud Log;
- 4) DST #1 Report;
- 5) TerraTek Core Analysis Report.

This should complete the file for this dry hole. There was no CBL log run because production casing was not set in this well. Please let us know if this is not satisfactory or if you need additional information.

Sincerely,

BEARD OIL COMPANY

Ivan D. Allred, Jr.,

Vice President

IDAJ:tlg

Encl.'s

REPORT NO. 109539

PAGE NO. 1

TEST DATE: 13-JAN-1990

# S T A R™

A Schlumberger Transient Analysis Report Based On Model Verified  $^{\text{TM}}$  Interpretation Of A Schlumberger Drillstem Test

Schlumberger

Company: BEARD OIL CO.	Hell: ASHLEY UALLEY #1
TEST IDENTIFICATION	WELL LOCATION
Test Type MFE DH DST	Field HILD CAT NOV 1 6 1992
Test No 1	County
Formation WEBER	State UTAH
Test Interval (ft) 4804 - 4839	Sec/Twn/Rng S34T4SR22E DIVISION OF
Reference Depth KELLY BUSHING	Elevation (ft) SUSE OH CAS & MUNICIPAL
HOLE CONDITIONS	I MUD FRUFERITES
Total Depth (MD/TUD)(ft) . 4839	Mud Type POLY + 6
Hole Size (in) 7 7/8	Mud Height (1b/gal) 9.5
Cosino/Liner I.D. (in)	Mud Resistivity (ohm.m) 0.70 @ 60 DEG. F.
Perf'd Interv./Nt Pay(ft) / 35	Filtrate Resistiv.(ohm.m). 0.75 @ 60 DEG. F.
Shot Density/Diameter(in).	Filtrate Chlorides (ppm) . 9000
INITIAL TEST CONDITIONS	TEST STRING CONFIGURATION
Initial Hudrostatic (psi). 2353	Pipe Length (ft)/I.D.(in). 4225 / 3.34
Gas Cushion Type NONE	Collar Length ft/I.D.(in). 540 / 2.25
Surface Pressure (psi)	Packer Depths (ft) 4804
Liquid Cushion Type NONE	Bottomhole Choke Size(in). 1/2
Cushion Length (ft)	Gauge Depth (ft)/Type 4853 / MECHANICAL
NET PIPE RECOVERY	NET SAMPLE CHAMBER RECOUERY
Unlume Fluid Type Properties	Unlume Fluid Type Properties  0.26 SCF GAS CORRECTED TO PMF
153 FT. MC WATER W/ SPECKS OF OIL	
RH=0.70@50D/9000 PPM	2420 CC HATER RH = 4.1 @ 60 DEG.
2495 FT. FORM. HATER (BRACKISH)	700 PPM CL.
700 TO 2200 PPM CL.	
2.5 - 4.1 RH @ 50 D	Press. 35 GOR: GLR: 17
UALIDATION RESULTS	ROCK/FLUID/WELLBORE PROPERTIES
Model of Behavior HOMOGENEOUS	Dil Density (deg. API)
Fluid Tupe Used HATER	Basic Solids (%) 0
Reservoir Pressure (psi) . 2114	Gas Gravity 0.550  Hater Cut (%) 100
Transmissivity (md.ft/cp) 1014	
Permembility (md) 17.3	Viscosity (cp) 0.598 Tot. Compress. (1/psi) 1.099E-5
Skin Factor/Damage Ratio . 3.3	Porosity (%) 12
Storativity Ratio	Reservoir Temperature (F). 110
Interporosity Flow Coeff	Form. Uol. Factor (bbl/STB). 1.006
Distance to Anomaly (ft).	I DI III ADI II ACIDI ADDI AIDI
Investigation Radius (ft). 141	
Potentiometric Surf. (ft).	
PRODUCTION RATE DURIN	G TEST: 710 BWPD Q-Last

### **COMMENTS:**

THE FINAL SHUT-IN PRESSURE BUILD-UP DATA WAS ANALYZED USING LOG-LOG AND SEMI-LOG ANALYSIS TECHNIQUES TO DETERMINE THE RESERVOIR BEHAVIOR MODEL AND RESERVOIR PARAMETERS OF P*, Kh/u, AND SKIN. ANALYSIS OF THE SHUT-IN DATA INDICATES THE PRESENCE OF A HOMOGENEOUS SYSTEM WITH WELLBORE STORAGE AND SKIN IN EARLY TIME, TRANSITIONAL FLOW REGIME IN MID-TIME, AND INFINITE-ACTING RADIAL FLOW REGIME PRESENT IN LATE TIME. THE DATA WAS MODEL-VERIFIED( tm) TO CONFIRM THE ACCURACY OF THE RESERVOIR MODEL CHOSEN AND THE ANALYSIS RESULTS, WITH GOOD AGREEMENT BETHEEN THE THEORETICAL MODEL RESPONSE AND THE ACTUAL DATA. SEE THE ANALYSIS PLOTS BEGINNING ON PAGE 2 OF THIS REPORT.

	RT N 9539	0.	
PAGE		2	

## OIL WELL LOG-LOG ANALYSIS

Schlumberger

'log(Ep-p(Dt=0)3) versus log(Dt)' PLOT

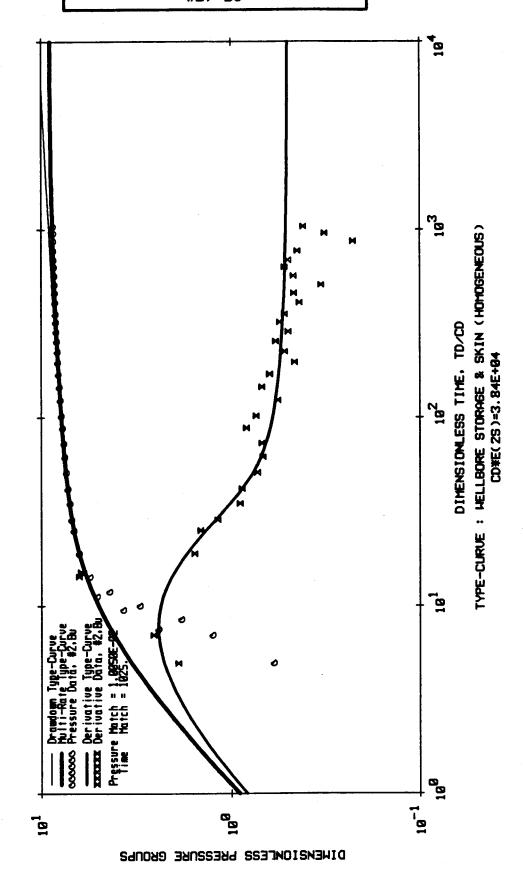
HELLBORE STORAGE AND SKIN after: Gringarten A.C. et al. SPE 8205 Las Vegas, Nev., Sept 23-26, 1979

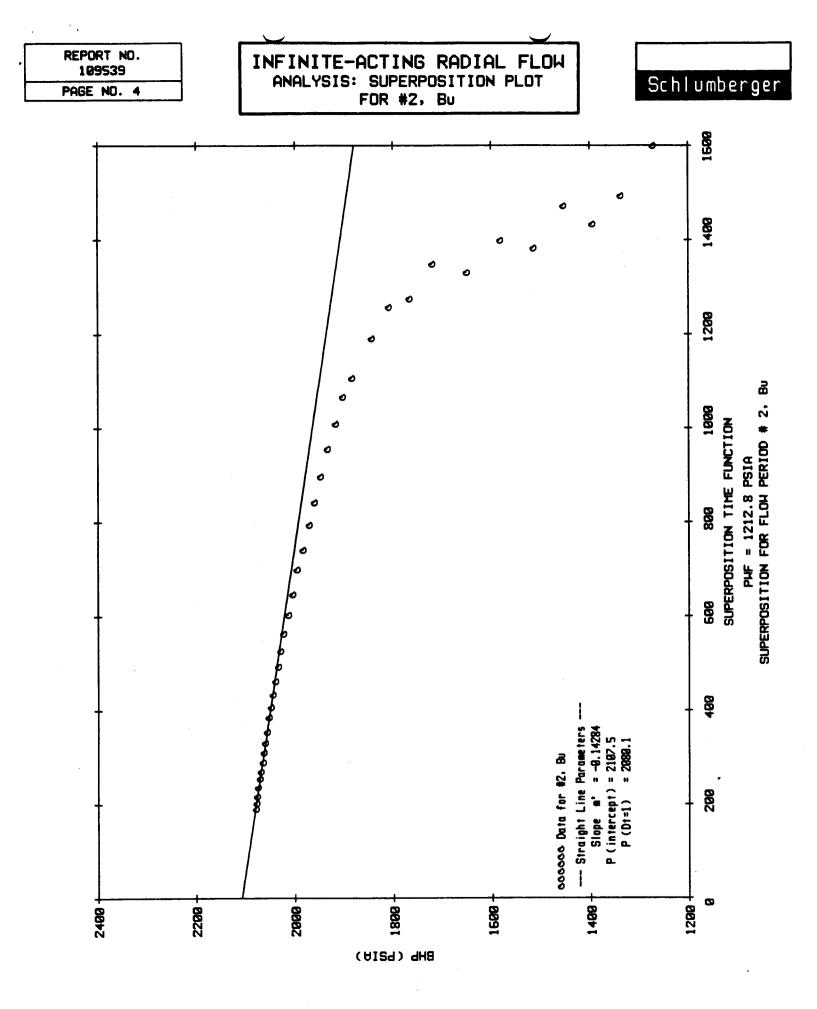
DATA	IDENTIFICATION						
	Flow period# 2  Drawdown XBvild-up						
	Xp(Dt=0)= 1212.8 psi XDuration of previous flow peri	od:tp= 0.860	00 hr				
FLOH	REGIME IDENTIFICATION						
	X WELLBORE STORAGE:						
	Unit-slope straight line		ENDS	a t	Dt=	0.015000 h	r
	XINFINITE ACTING RADIAL FLOW:						
	Semi-log straight line		STARTS ENDS			0.25000 hr 1.1000 hr	
	BOUNDARY EFFECTS:						
	No-flow:pseudo steady-state		STARTS				
	Constant pressure		STARTS	at	= זע		
TYPE	-CURUE MATCH						
	XMatch-point:pD= 0.010050	Dp = 1					
	1D/CD= 1925.4	Dt= 1					
	XMatch curve:CDe(25)= 3.8407E4						
CALC	ULATIONS						
	Xkh(from pressure match)		= 60	<b>26.</b> :	14 m	d.ft	
	C(from unit slope straight lir	ne)	=				
	kh(from time match)		=				
	XC(from time match)		= 2	. 911	6 <b>8</b> E-	04 Bbl/psi	
	X CD	•	. = 5	<b>2.4</b> 2	77		
	XS(from curve match)		= 3	. 29	78		
	Xxf(equivalent fracture half-le	ength)	= 0	. 02	4249	ft	
	X k		= 13	7.3	18 m	d	

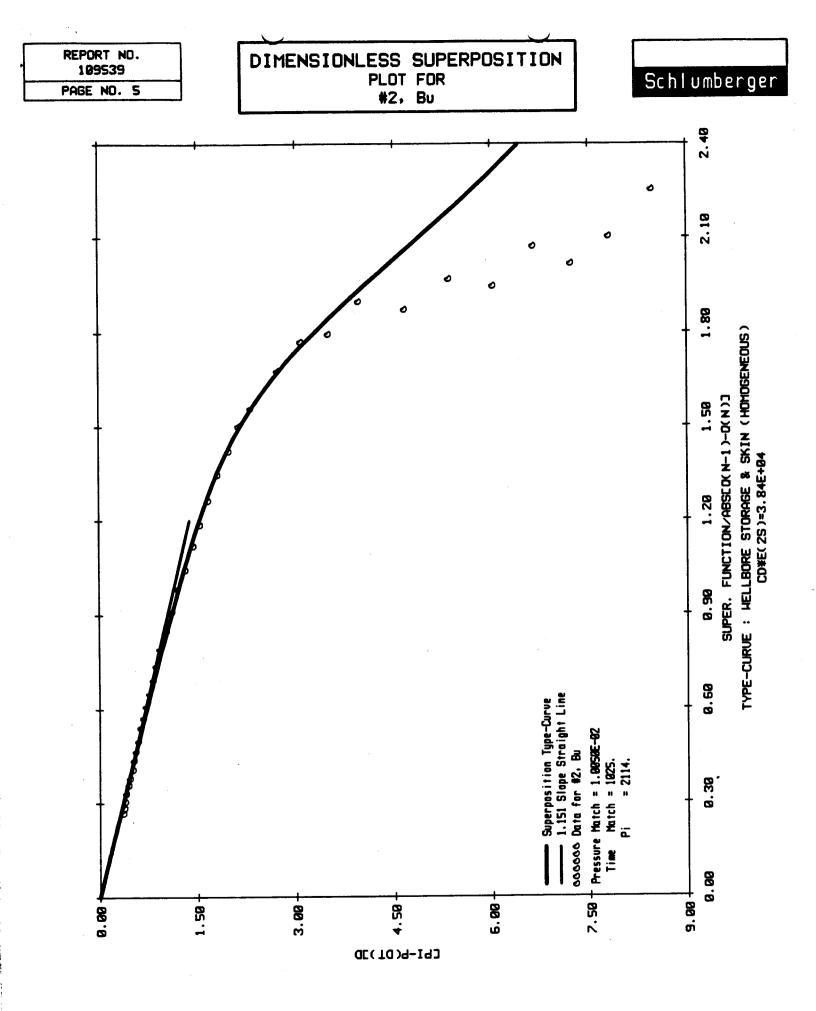
COMMENTS

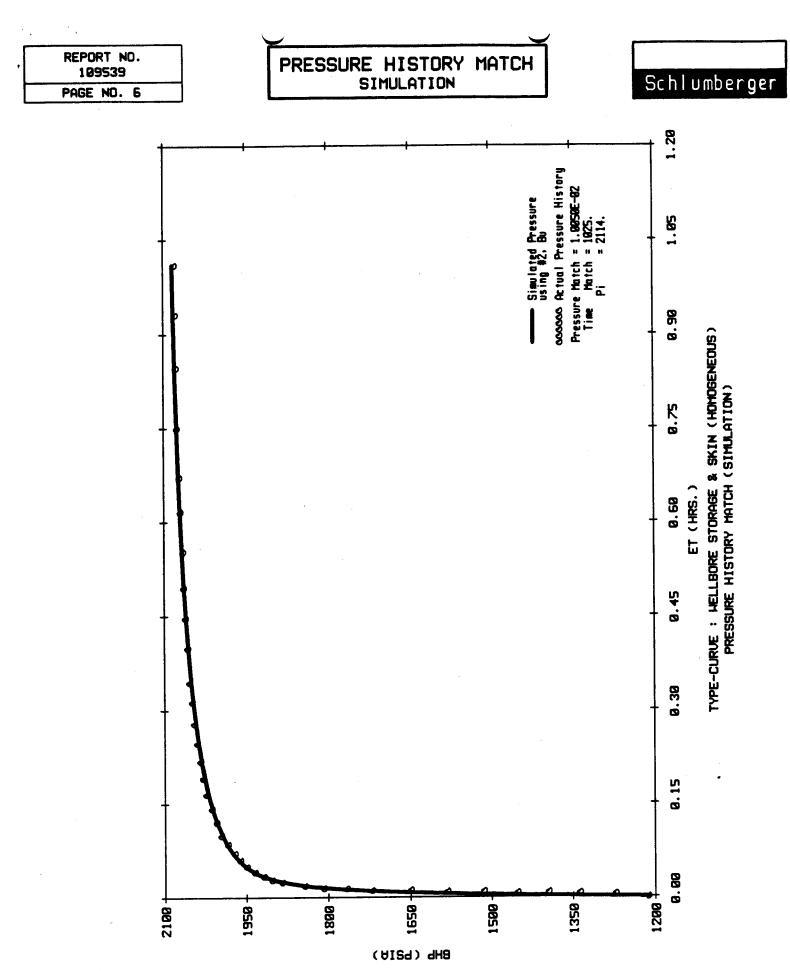
REPORT NO. 109539 PAGE NO. 3 DIMENSIONLESS MULTI-RATE PLOT: LOG-LOG MATCH FOR #2, Bu

Schlumberger









REPORT NO. 109539 PAGE NO. 7

# SEQUENCE OF EVENTS

Schlumberger

EUENT NO.	DATE	TIME (HR:MIN)	DESCRIPTION	ELAPSED TIME (MIN)	BHP (PSIA)	HHP (PSIG)
1	13-JAN	1730	SET PACKERS	-9.89	2353	
2		1732	OPENED TOOL-CLOSED CHAMBR	0.00	119	8" BLOW
3		1737	CLOSED FOR INITIAL SHUTIN	4.30	442	1.5 PSI6
4		1807	FINISHED SHUT-IN	33.35	2077	1.5 PSI6
5		1807	RE-OPENED TOOL	34.50	481	1.5 PSI6
		1812				3 PSIG
		1817				4.5 PSIG
		1827				8 PSIG
6		1837	CLOSED FOR FINAL SHUT-IN	64.42	1213	12.75 PSI
7		1937	FINISHED SHUT-IN	125.00	2079	9
8		1940	PULLED PACKERS LOOSE	127.41	2335	
			NOTE: NO FILL ON BOTTOM.			
			PULLED LOOSE EASILY.			
			DID NOT REVERSE OUT.			

# BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 109539

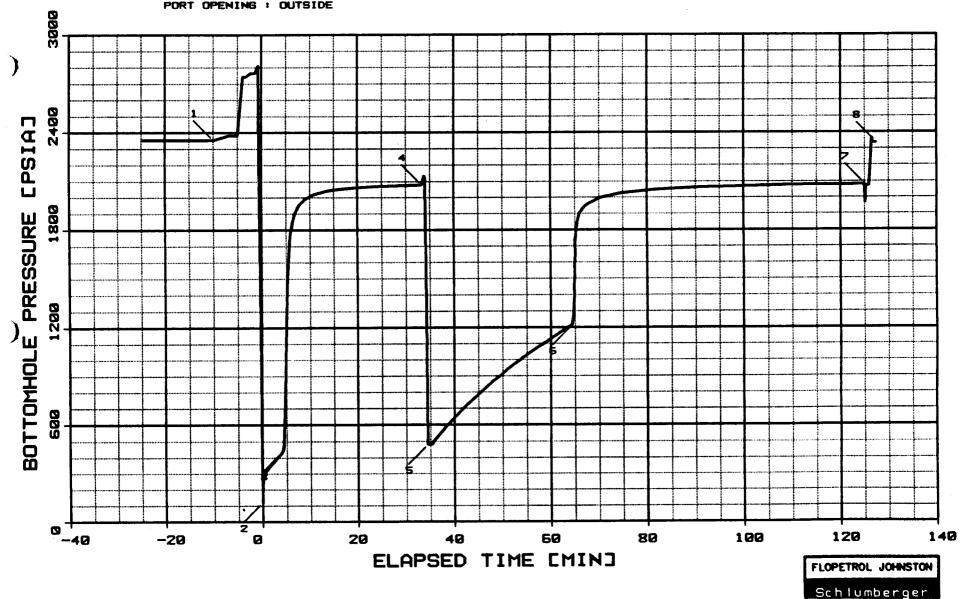
COMPANY : BEARD DIL CO.

INSTRUMENT NO.

HELL: ASHLEY VALLEY #1

DEPTH : 4853 FT CAPACITY : 6400 PSI

PORT OPENING : OUTSIDE



# * WELL TEST DATA PRINTOUT *

FIELD REPORT # : 109539

INSTRUMENT # : 1929

CAPACITY [PSI] : 6400. DEPTH [FT] : 4853.0

DEPTH [

PORT OPENING: OUTSIDE

TEMPERATURE [DEG F]: 110.0

COMPANY : BEARD OIL CO. WELL : ASHLEY VALLEY #1

# LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS		EXPLANATION *********	ELAPSED TIME,MIN	BOT HOLE PRESSURE PSIA
1	17:22: 7	13-JA	HYDROSTATIC MUD	-9.89	2353
_		-	START FLOW	0.00	119
			END FLOW & START SHUT-IN	4.30	442
			END SHUT-IN	33.35	2077
			START FLOW	34.50	481
			END FLOW & START SHUT-IN	64.42	1213
_			END SHUT-IN	125.00	2079
			HYDROSTATIC MUD	127.41	2335

# SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME,MIN	END ELAPSED TIME,MIN	MIN	START PRESSURE PSIA	END PRESSURE PSIA
1	0.00	4.30	4.30	119	442
2	34.50	64.42	29.92	481	1213

# SUMMARY OF SHUTIN PERIODS

PERIOD	TIME.MIN	TIME.MIN	MIN	PSIA	END PRESSURE PSIA *******		PRODUCING TIME, MIN
1 2	4.30 64.42			442 1213	2077 2079	442 1213	4.30 34.22

TEST PHASE : FLOW PERIOD # 1

HH:MM:SS	DD-MM	ELAPSED TIME,MIN		BOT HOLE PRESSURE PSIA *******
17:32: 0		0.00	0.00	119
17:36:18		4.30	4.30	442

TEST PHASE : SHUTIN PERIOD # 1

FINAL FLOW PRESSURE [PSIA] = 442
PRODUCING TIME [MIN] = 4.30

TIME OF DAY HH:MM:SS	DATE DD-MM ****	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
17:36:18	13-JA	4.30	0.00	442	0	0.724
17:37:18	13-JA	5.30	1.00	1465	1022	
17:38:18	13-JA	6.30	2.00	1835	1393	0.498
17:39:18	13-JA	7.30		1924	1482	0.386
17:40:18	13-JA	8.30	4.00	1968	1525	0.317
17:41:18	13-JA	9.30	5.00	1994	1551	0.270
17:42:18	13-JA	10.30	6.00	2009	1567	0.235
17:43:18	13-JA	11.30	7.00	2021	1579	
17:44:18	13-JA	12.30	8.00	2029	1587	0.187
17:45:18	13-JA	13.30	9.00	2036	1594	0.170
17:46:18	13-JA	14.30	10.00	2041	1599	0.155
17:48:18	13-JA	16.30	12.00	2050	1608	0.133
17:50:18	13-JA	18.30	14.00	2056	1614	0.116
17:52:18	13-JA	20.30	16.00	2061	1619	0.103
17:54:18		22.30	18.00	2064	1622	0.093
17:56:18 17:58:18		24.30 26.30	20.00 22.00	2068 2070	1625 1628	0.085
18: 0:18	13-JA	28.30	24.00	2072	1630	0.072
18: 2:18	13-JA	30.30	26.00	2074	1631	0.066
18: 4:18	13-JA	32.30	28.00	2076	1633	0.062
18: 5:21	13-JA	33.35	29.05	2077	1635	0.060

TEST PHASE : FLOW PERIOD # 2

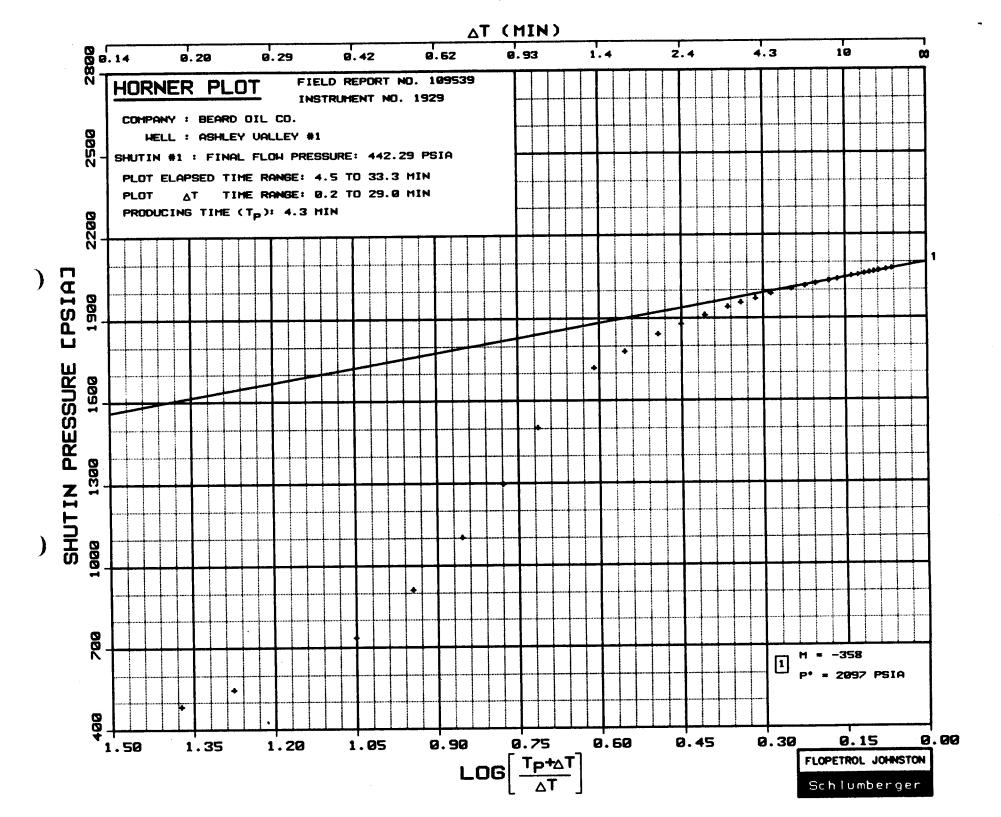
TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA *******
18: 6:30	13-JA	34.50	0.00	481
18:11:30		39.50	5.00	626
18:16:30	13-JA	44.50	10.00	771
18:21:30		49.50	15.00	899
18:26:30	13-JA	54.50	20.00	1017
10.20.00				

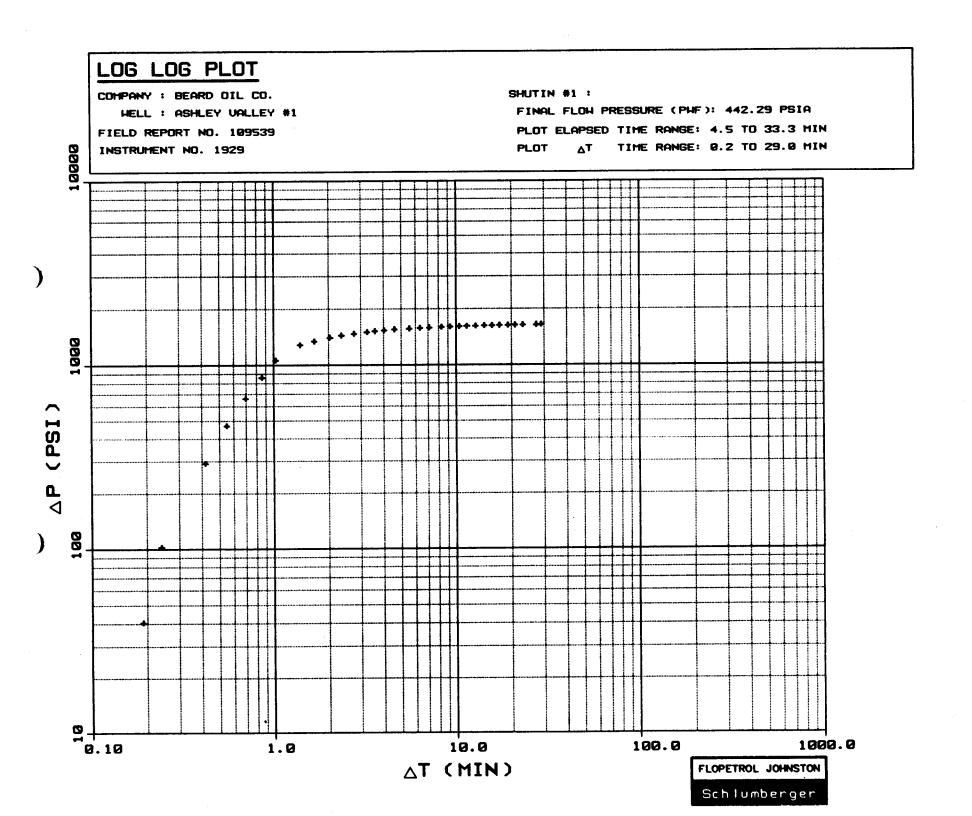
TEST PHASE : FLOW PERIOD # 2

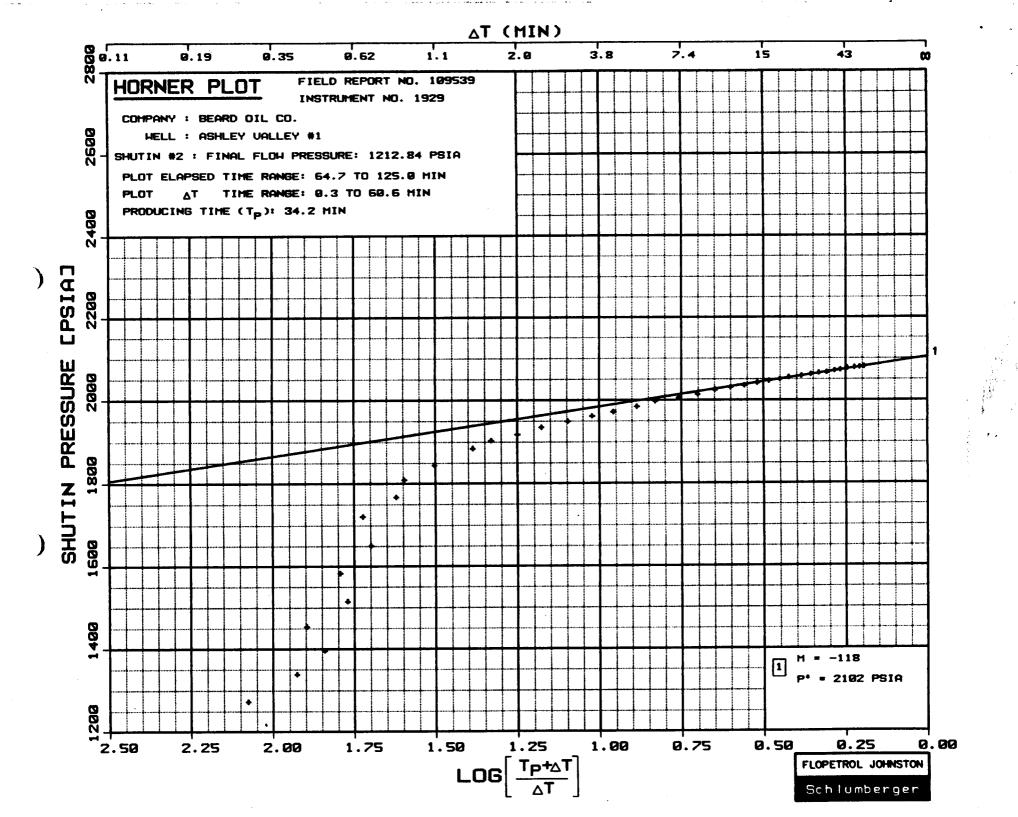
TEST PHASE : SHUTIN PERIOD # 2

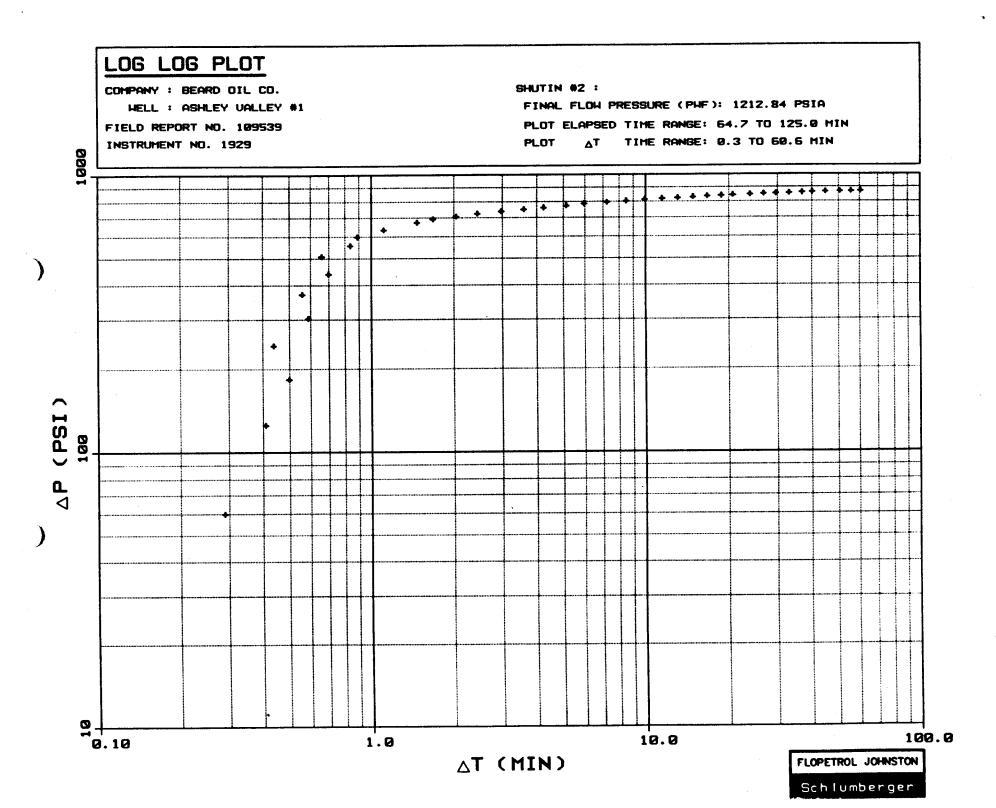
FINAL FLOW PRESSURE [PSIA] = 1213 PRODUCING TIME [MIN] = 34.22

TIME OF DAY HH:MM:SS	DATE DD-MM ****	ELAPSED TIME,MIN	DELTA TIME,MIN	BOT HOLE PRESSURE PSIA *******	DELTA P PSI ******	LOG HORNER TIME
18:36:25	13-JA	64.42	0.00	1213	0	
18:37:25	13-JA	65.42	1.00	1826	613	1.547
18:38:25	13-JA	66.42	2.00	1916	703	1.258
18:39:25	13-JA	67.42	3.00	1949	736	1.094
18:40:25	13-JA	68.42	4.00	1967	755	0.980
18:41:25	13-JA	69.42	5.00	1982	769	0.895
18:42:25	13-JA	70.42	6.00	1996	784	0.826
18:43:25	13-JA	71.42	7.00	2003	790	0.770
18:44:25	13-JA	72.42	8.00	2010	797	0.722
18:45:25	13-JA	73.42	9.00	2017	804	0.681
18:46:25	13-JA	74.42	10.00	2024	811	0.646
18:48:25	13-JA	76.42	12.00	2031	818	0.586
18:50:25	13-JA	78.42	14.00	2037	824	0.537
18:52:25	13-JA	80.42	16.00	2043	830	0.497
18:54:25	13-JA	82.42	18.00	2047	834	0.463
18:56:25	13-JA	84.42	20.00	2052	839	0.433
18:58:25	13-JA	86.42	22.00	2055	842	0.407
19: 0:25	13-JA	88.42	24.00	2057	844	0.385
19: 2:25	13-JA	90.42	26.00	2059	847	0.365
19: 4:25	13-JA	92.42	28.00	2062	849	0.347
19: 6:25	13-JA	94.42	30.00	2064	851	0.331
19:11:25	13-JA	99.42	35.00	2067	854	0.296
19:16:25	13-JA	104.42	40.00	2071	858	0.268
19:21:25	13-JA	109.42	45.00	2075	862	0.246
19:26:25	13-JA	114.42	50.00	2077	864	0.226
19:31:25	13-JA	119.42	55.00	2078	865	0.210
19:36:25	13-JA	124.42	60.00	2079	866	0.196
19:37: 0	13-JA	125.00	60.58	2079	867	0.194









# INSPECTION FORM 4 STATE OF UTAH DIVISION OF OIL GAS AND MINING

### **OIL AND GAS PRODUCTION FACILITIES**

Well Name: ASHLEY VALLEY #1 API Number: 43-047-31880							
Qtr/Qtr: NW/SW Section: 34 Township: 4S Range: 22E Company Name: BEARD OIL COMPANY							
Lease: State Fee X Federal Indian							
Inspector: DAVID W. HACKFORD Date: 1/20/2000							
Type of Inspection: RoutineX Complaint Other	<del></del>						
Well status at time of visit: Producing Shut-in Other_X							
COMMENTS: Well has been PA'd. Monument in place with correct information. Location	<u>has</u>						
been reclaimed. No leaks or spills or open pits. No equipment. Looks good.							